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**Department of Defense  
Fiscal Year (FY) 2024 Budget Estimates**

March 2023



**Air Force**

*Justification Book Volume 1 of 1*

***Other Procurement, Air Force***

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Air Force • Budget Estimates FY 2024 • Procurement

**Table of Volumes**

**Other Procurement, Air Force..... Volume 1**

**UNCLASSIFIED**

UNCLASSIFIED

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UNCLASSIFIED



**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

**Volume 1 Table of Contents**

**Introduction and Explanation of Contents.....Volume 1 - v**

**Comptroller Exhibit P-1.....Volume 1 - vii**

**Master Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxiii**

**Master Line Item Table of Contents (Alphabetically by Line Item Title).....Volume 1 - xxix**

**Summary.....Volume 1 - xxxiii**

**P1M.....Volume 1 - xxxv**

**Acronyms..... Volume 1 - xlix**

**Exhibit P-40s..... Volume 1 - 1**

**UNCLASSIFIED**

UNCLASSIFIED

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UNCLASSIFIED

**UNCLASSIFIED**

Appropriation Language  
Fiscal Year (FY) 2024 President's Budget  
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, classified programs, and overseas operations costs, \$30,417,892,000 to remain available for obligation until September 30, 2026.

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UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment			
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
<b><u>Budget Activity 02: Vehicular equipment</u></b>									
<b>Passenger Carrying Vehicles</b>									
1	Passenger Carrying Vehicles	A	U		8,448		2,446		1,350
<b>Cargo and Utility Vehicles</b>									
2	Medium Tactical Vehicle	A	U		804		1,125		
3	Cap Vehicles	A	U		1,800		1,900		
4	Cargo and Utility Vehicles	A	U		50,730		35,220		8,293
<b>Special Purpose Vehicles</b>									
5	Joint Light Tactical Vehicle	A	U		110,424		60,461		27,266
6	Security And Tactical Vehicles	A	U		6,088		382		
7	Special Purpose Vehicles	A	U		70,477		49,623		3,980
<b>Fire Fighting Equipment</b>									

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost

Budget Activity 02: Vehicular equipment

**Passenger Carrying Vehicles**

1	Passenger Carrying Vehicles	A	U		3,796		6,123
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**Cargo and Utility Vehicles**

2	Medium Tactical Vehicle	A	U		1,125		3,961
3	Cap Vehicles	A	U		1,900		1,027
4	Cargo and Utility Vehicles	A	U		43,513		45,036

**Special Purpose Vehicles**

5	Joint Light Tactical Vehicle	A	U		87,727		57,780
6	Security And Tactical Vehicles	A	U		382		390
7	Special Purpose Vehicles	A	U		53,603		79,023

**Fire Fighting Equipment**

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
8	Fire Fighting/Crash Rescue Vehicles	A	U		14,325		11,231		
<b>Materials Handling Equipment</b>									
9	Materials Handling Vehicles	A	U		29,653		15,259		12,587
<b>Base Maintenance Support</b>									
10	Runway Snow Remov And Cleaning Equ	A	U		10,044		6,409		980
11	Base Maintenance Support Vehicles	A	U		108,328		72,012		44,543
<b>Cancelled Account Adjustments</b>									
12	Cancelled Account Adjustments (Bpa	A	U		1,690				
<b>Total Vehicular equipment</b>					<b>412,811</b>		<b>256,068</b>		<b>98,999</b>
<b><u>Budget Activity 03: Electronics and telecommunications equipment</u></b>									
<b>Comm Security Equipment (Comsec)</b>									
13	Comsec Equipment	A	U		66,792		91,817		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
8	Fire Fighting/Crash Rescue Vehicles	A	U		11,231		70,252
<b>Materials Handling Equipment</b>							
9	Materials Handling Vehicles	A	U		27,846		73,805
<b>Base Maintenance Support</b>							
10	Runway Snow Remov And Cleaning Equ	A	U		7,389		22,030
11	Base Maintenance Support Vehicles	A	U		116,555		223,354
<b>Cancelled Account Adjustments</b>							
12	Cancelled Account Adjustments (Bpa	A	U				
<b>Total Vehicular equipment</b>					<b>355,067</b>		<b>582,781</b>
<b><u>Budget Activity 03: Electronics and telecommunications equipment</u></b>							
<b>Comm Security Equipment (Comsec)</b>							
13	Comsec Equipment	A	U		91,817		98,600



UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
14	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM	A	U		885,051		467,901		
<b>Intelligence Programs</b>									
15	International Intel Tech & Architectures	A	U		5,809		7,043		
16	Intelligence Training Equipment	A	U		5,719		2,424		
17	Intelligence Comm Equipment	A	U		30,524		25,308		
<b>Electronics Programs</b>									
18	Air Traffic Control & Landing Sys	A	U		50,277		69,608		
19	National Airspace System	A	U						
20	Battle Control System - Fixed		U		2,940		1,409		
21	Theater Air Control Sys Improvemen	A	U		43,442		6,611		7,375
22	3D Expeditionary Long-Range Radar	A	U		96,186		92,587		
23	Weather Observation Forecast	A	U		32,376		20,548		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
14	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM	A	U		467,901		
<b>Intelligence Programs</b>							
15	International Intel Tech & Architectures	A	U		7,043		5,393
16	Intelligence Training Equipment	A	U		2,424		5,012
17	Intelligence Comm Equipment	A	U		25,308		40,042
<b>Electronics Programs</b>							
18	Air Traffic Control & Landing Sys	A	U		69,608		67,581
19	National Airspace System	A	U				3,841
20	Battle Control System - Fixed		U		1,409		1,867
21	Theater Air Control Sys Improvemen	A	U		13,986		
22	3D Expeditionary Long-Range Radar	A	U		92,587		83,735
23	Weather Observation Forecast	A	U		20,548		28,530

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
24	Strategic Command And Control	A	U		38,162		118,333		3,000
25	Cheyenne Mountain Complex	A	U		8,258		6,118		
26	Mission Planning Systems	A	U		13,903		13,947		
27	Drug Interdiction Spt	A	U		2,601				
28	Integrated Strat Plan & Analy Network (ISPAN)	A	U		4,845		4,740		
29	Strategic Mission Planning & Execution System	A	U						
<b>Spcl Comm-Electronics Projects</b>									
30	General Information Technology	A	U		40,500		101,517		8,150
31	Af Global Command & Control Sys	A	U		414		2,487		
32	Battlefield Airborne Control Node (BACN)	A	U				32,807		
33	Mobility Command And Control	A	U		9,119		10,210		
34	Air Force Physical Security System	A	U		138,066		89,022		59,602

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
24	Strategic Command And Control	A	U		121,333		73,593
25	Cheyenne Mountain Complex	A	U		6,118		8,221
26	Mission Planning Systems	A	U		13,947		17,078
27	Drug Interdiction Spt	A	U				
28	Integrated Strat Plan & Analy Network (ISPAN)	A	U		4,740		
29	Strategic Mission Planning & Execution System	A	U				3,861
<b>Spcl Comm-Electronics Projects</b>							
30	General Information Technology	A	U		109,667		206,142
31	Af Global Command & Control Sys	A	U		2,487		2,582
32	Battlefield Airborne Control Node (BACN)	A	U		32,807		30
33	Mobility Command And Control	A	U		10,210		3,768
34	Air Force Physical Security System	A	U		148,624		208,704

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
35	Combat Training Ranges	A	U		320,088		139,213		
36	Minimum Essential Emergency Comm N	A	U		65,326		52,501		
37	Wide Area Surveillance (WAS)	A	U		34,863		29,150		
38	C3 Countermeasures	A	U		119,635		137,353		
39	Integrated Personnel and Pay System	A	U		8,487				
40	GCSS-AF Fos	A	U		3,959		786		
41	Defense Enterprise Accounting & Mgt Sys	A	U		3,103		3,156		
42	Maintenance Repair & Overhaul Initiative	A	U				248		
43	Theater Battle Mgt C2 System	A	U		4,052		275		
44	Air & Space Operations Center (AOC)	A	U		23,019		21,709		
45	Spectrum Relocation Fund	A	U		-784				

**Air Force Communications**

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force  
 Line

No	Item Nomenclature	Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
				Code	c	Quantity	Cost
35	Combat Training Ranges	A	U		139,213		346,340
36	Minimum Essential Emergency Comm N	A	U		52,501		84,102
37	Wide Area Surveillance (WAS)	A	U		29,150		11,594
38	C3 Countermeasures	A	U		137,353		148,818
39	Integrated Personnel and Pay System	A	U				
40	GCSS-AF Fos	A	U		786		
41	Defense Enterprise Accounting & Mgt Sys	A	U		3,156		
42	Maintenance Repair & Overhaul Initiative	A	U		248		
43	Theater Battle Mgt C2 System	A	U		275		
44	Air & Space Operations Center (AOC)	A	U		21,709		5,032
45	Spectrum Relocation Fund	A	U				

Air Force Communications

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
46	Base Information Transprt Infrast (BITI) Wired	A	U		58,499		28,534		
47	AFNET	A	U		65,354		78,027		
48	Joint Communications Support Element (JCSE)	A	U		4,377		5,199		
49	USCENTCOM	A	U		18,101		11,896		
50	USSTRATCOM	A	U		4,226		4,619		
51	USSPACECOM	A	U						
<b>Organization and Base</b>									
52	Tactical C-E Equipment	A	U		157,817		120,050		44,300
53	Radio Equipment	A	U		14,228		14,053		
54	Base Comm Infrastructure	A	U		223,503		89,348		55,230
<b>Modifications</b>									
55	Comm Elect Mods	A	U		18,607		4,170		73,465
<b>Total Electronics and telecommunications equipment</b>					<b>2,621,444</b>		<b>1,904,724</b>		<b>251,122</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
46	Base Information Transpnt Infrast (BITI) Wired	A	U		28,534		108,532
47	AFNET	A	U		78,027		154,911
48	Joint Communications Support Element (JCSE)	A	U		5,199		5,381
49	USCENTCOM	A	U		11,896		18,025
50	USSTRATCOM	A	U		4,619		4,436
51	USSPACECOM	A	U				27,073
<b>Organization and Base</b>							
52	Tactical C-E Equipment	A	U		164,350		226,819
53	Radio Equipment	A	U		14,053		30,407
54	Base Comm Infrastructure	A	U		144,578		113,563
<b>Modifications</b>							
55	Comm Elect Mods	A	U		77,635		98,224
<b>Total Electronics and telecommunications equipment</b>					<b>2,155,846</b>		<b>2,241,837</b>



UNCLASSIFIED

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 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
<b><u>Budget Activity 04: Other base maintenance and support equipment</u></b>									
<b>Personal Safety &amp; Rescue Equip</b>									
56	Personal Safety and Rescue Equipment	A	U		74,247		102,995		2,781
<b>Depot Plant+Mtrls Handling Eq</b>									
57	POWER CONDITIONING EQUIPMENT	A	U		10,504		12,199		
58	Mechanized Material Handling Equip	A	U		8,594		9,326		
<b>Base Support Equipment</b>									
59	Base Procured Equipment	A	U		32,400		85,890		
60	Engineering and EOD Equipment	A	U		25,739		191,552		
61	Mobility Equipment	A	U		63,814		28,758		49,521
62	Fuels Support Equipment (FSE)	A	U		17,928		12,740		13,322
63	Base Maintenance and Support Equipment	A	U		42,705		40,656		10,712

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UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
<b><u>Budget Activity 04: Other base maintenance and support equipment</u></b>							
<b>Personal Safety &amp; Rescue Equip</b>							
56	Personal Safety and Rescue Equipment	A	U		105,776		60,473
<b>Depot Plant+Mtrls Handling Eq</b>							
57	POWER CONDITIONING EQUIPMENT	A	U		12,199		9,235
58	Mechanized Material Handling Equip	A	U		9,326		15,662
<b>Base Support Equipment</b>							
59	Base Procured Equipment	A	U		85,890		77,875
60	Engineering and EOD Equipment	A	U		191,552		280,734
61	Mobility Equipment	A	U		78,279		207,071
62	Fuels Support Equipment (FSE)	A	U		26,062		218,790
63	Base Maintenance and Support Equipment	A	U		51,368		51,914

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
<b>Special Support Projects</b>									
65	DARP RC135	A	U		27,359		28,153		
66	DCGS-AF	A	U		261,070		216,731		
70	Special Update Program	A	U		934,966		996,499		
<b>Classified Programs</b>									
999	Classified Programs		U		22,390,395		24,113,497		739,595
<b>Total Other base maintenance and support equipment</b>					<b>23,889,721</b>		<b>25,838,996</b>		<b>815,931</b>
<b><u>Budget Activity 05: Spare and repair parts</u></b>									
<b>Spares and Repair Parts</b>									
71	Spares and Repair Parts (Cyber)	A	U		978		1,007		
72	Spares And Repair Parts	A	U		8,268		18,175		1,984
<b>Total Spare and repair parts</b>					<b>9,246</b>		<b>19,182</b>		<b>1,984</b>
<b>Total Other Procurement, Air Force</b>					<b>26,933,222</b>		<b>28,018,970</b>		<b>1,168,036</b>

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UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F Detail  
 (Dollars in Thousands)

Mar 2023

Appropriation: 3080 Other Procurement, Air Force

Line		Ident	Se	FY 2023 Total Enactment		FY 2024 Request	
No	Item Nomenclature	Code	c	Quantity	Cost	Quantity	Cost
<b>Special Support Projects</b>							
65	DARP RC135	A	U		28,153		28,882
66	DCGS-AF	A	U		216,731		129,655
70	Special Update Program	A	U		996,499		1,042,833
<b>Classified Programs</b>							
999	Classified Programs		U		24,853,092		25,456,490
<b>Total Other base maintenance and support equipment</b>					<b>26,654,927</b>		<b>27,579,614</b>
<b><u>Budget Activity 05: Spare and repair parts</u></b>							
<b>Spares and Repair Parts</b>							
71	Spares and Repair Parts (Cyber)	A	U		1,007		1,032
72	Spares And Repair Parts	A	U		20,159		12,628
<b>Total Spare and repair parts</b>					<b>21,166</b>		<b>13,660</b>
<b>Total Other Procurement, Air Force</b>					<b>29,187,006</b>		<b>30,417,892</b>

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

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

***Appropriation 3080F: Other Procurement, Air Force***

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<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
1	02	01	821800	Passenger Carrying Vehicles.....	Volume 1 - 1
2	02	02	822230	Medium Tactical Vehicle.....	Volume 1 - 9
3	02	02	822910	Cap Vehicles.....	Volume 1 - 11
4	02	02	822990	Cargo and Utility Vehicles.....	Volume 1 - 13
5	02	03	823210	Joint Light Tactical Vehicle.....	Volume 1 - 27
6	02	03	823230	Security And Tactical Vehicles.....	Volume 1 - 33
7	02	03	823990	Special Purpose Vehicles.....	Volume 1 - 35
8	02	04	824010	Fire Fighting/Crash Rescue Vehicles.....	Volume 1 - 49
9	02	05	825990	Materials Handling Vehicles.....	Volume 1 - 55
10	02	06	826210	Runway Snow Remov And Cleaning Equ.....	Volume 1 - 63
11	02	06	826990	Base Maintenance Support Vehicles.....	Volume 1 - 69

**UNCLASSIFIED**

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Air Force • Budget Estimates FY 2024 • Procurement

***Appropriation 3080F: Other Procurement, Air Force***

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<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
13	03	01	831010	Comsec Equipment.....	Volume 1 - 83
14	03	01	831020	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM.....	Volume 1 - 97
15	03	02	832050	International Intel Tech & Architectures.....	Volume 1 - 99
16	03	02	832060	Intelligence Training Equipment.....	Volume 1 - 109
17	03	02	832070	832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT.....	Volume 1 - 117
18	03	03	833010	Air Traffic Control & Landing Sys.....	Volume 1 - 155
19	03	03	833020	National Airspace System.....	Volume 1 - 211
20	03	03	833030	Battle Control System - Fixed.....	Volume 1 - 221
21	03	03	833040	Theater Air Control Sys Improvemen.....	Volume 1 - 227
22	03	03	833060	3D Expeditionary Long-Range Radar.....	Volume 1 - 235
23	03	03	833070	Weather Observation Forecast.....	Volume 1 - 245
24	03	03	833140	Strategic Command And Control.....	Volume 1 - 271
25	03	03	833160	Cheyenne Mountain Complex.....	Volume 1 - 303
26	03	03	833170	Mission Planning Systems.....	Volume 1 - 309
28	03	03	833560	Integrated Strat Plan & Analy Network (ISPAN).....	Volume 1 - 317
29	03	03	833570	Strategic Mission Planning & Execution System.....	Volume 1 - 321

**UNCLASSIFIED**

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

***Appropriation 3080F: Other Procurement, Air Force***

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
30	03	04	834010	General Information Technology.....	Volume 1 - 329
31	03	04	834040	Af Global Command & Control Sys.....	Volume 1 - 437
32	03	04	834050	Battlefield Airborne Communication Node (BACN).....	Volume 1 - 443
33	03	04	834070	Mobility Command And Control.....	Volume 1 - 447
34	03	04	834130	Air Force Physical Security System.....	Volume 1 - 455
35	03	04	834190	Combat Training Ranges.....	Volume 1 - 477
36	03	04	834210	Minimum Essential Emergency Comm N.....	Volume 1 - 501
37	03	04	834240	Wide Area Surveillance (WAS).....	Volume 1 - 513
38	03	04	834320	C3 Countermeasures.....	Volume 1 - 521
39	03	04	834410	Integrated Personnel and Pay System.....	Volume 1 - 559
40	03	04	834430	GCSS-AF Fos.....	Volume 1 - 565
41	03	04	834470	Defense Enterprise Accounting & Mgt Sys.....	Volume 1 - 575
42	03	04	834480	Maintenance Repair & Overhaul Initiative.....	Volume 1 - 583
43	03	04	834520	Theater Battle Mgt C2 System.....	Volume 1 - 589
44	03	04	834530	Air & Space Operations Center (AOC).....	Volume 1 - 599
46	03	05	835060	Base Information Transpt Infrast (BITI) Wired.....	Volume 1 - 617
47	03	05	835080	AFNET.....	Volume 1 - 625
48	03	05	835110	Joint Communications Support Element (JCSE).....	Volume 1 - 631

**UNCLASSIFIED**

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

***Appropriation 3080F: Other Procurement, Air Force***

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
49	03	05	835140	USCENTCOM.....	Volume 1 - 639
50	03	05	835160	USSTRATCOM.....	Volume 1 - 653
51	03	05	835210	USSPACECOM.....	Volume 1 - 665
52	03	07	837100	Tactical C-E Equipment.....	Volume 1 - 671
53	03	07	837190	Radio Equipment.....	Volume 1 - 707
54	03	07	837300	Base Comm Infrastructure.....	Volume 1 - 719
55	03	08	838010	Comm Elect Mods.....	Volume 1 - 777

***Appropriation 3080F: Other Procurement, Air Force***

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
56	04	02	842990	Personal Safety and Rescue Equipment.....	Volume 1 - 801
57	04	03	843040	POWER CONDITIONING EQUIPMENT.....	Volume 1 - 823
58	04	03	843050	Mechanized Material Handling Equip.....	Volume 1 - 831
59	04	05	845010	Base Procured Equipment.....	Volume 1 - 841
60	04	05	845100	Engineering and EOD Equipment.....	Volume 1 - 851
61	04	05	845420	Mobility Equipment.....	Volume 1 - 867

**UNCLASSIFIED**



**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

***Appropriation 3080F: Other Procurement, Air Force***

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
62	04	05	845550	Fuels Support Equipment (FSE).....	Volume 1 - 877
63	04	05	845990	Base Maintenance and Support Equipment.....	Volume 1 - 887
65	04	06	846070	DARP RC135.....	Volume 1 - 897
66	04	06	846080	DCGS-AF.....	Volume 1 - 903
70	04	06	846510	Special Update Program.....	Volume 1 - 925

***Appropriation 3080F: Other Procurement, Air Force***

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
71	05	01	861350	Spares and Repair Parts (Cyber).....	Volume 1 - 927
72	05	01	861900	Spares And Repair Parts.....	Volume 1 - 929

**UNCLASSIFIED**

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Air Force • Budget Estimates FY 2024 • Procurement

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

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
3D Expeditionary Long-Range Radar	833060	22	03	03.....	Volume 1 - 235
832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	832070	17	03	02.....	Volume 1 - 117
AFNET	835080	47	03	05.....	Volume 1 - 625
Af Global Command & Control Sys	834040	31	03	04.....	Volume 1 - 437
Air & Space Operations Center (AOC)	834530	44	03	04.....	Volume 1 - 599
Air Force Physical Security System	834130	34	03	04.....	Volume 1 - 455
Air Traffic Control & Landing Sys	833010	18	03	03.....	Volume 1 - 155
Base Comm Infrastructure	837300	54	03	07.....	Volume 1 - 719
Base Information Transpt Infrast (BITI) Wired	835060	46	03	05.....	Volume 1 - 617
Base Maintenance Support Vehicles	826990	11	02	06.....	Volume 1 - 69
Base Maintenance and Support Equipment	845990	63	04	05.....	Volume 1 - 887
Base Procured Equipment	845010	59	04	05.....	Volume 1 - 841
Battle Control System - Fixed	833030	20	03	03.....	Volume 1 - 221
Battlefield Airborne Communication Node (BACN)	834050	32	03	04.....	Volume 1 - 443
C3 Countermeasures	834320	38	03	04.....	Volume 1 - 521
Cap Vehicles	822910	3	02	02.....	Volume 1 - 11
Cargo and Utility Vehicles	822990	4	02	02.....	Volume 1 - 13

**UNCLASSIFIED**

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Cheyenne Mountain Complex	833160	25	03	03.....	Volume 1 - 303
Combat Training Ranges	834190	35	03	04.....	Volume 1 - 477
Comm Elect Mods	838010	55	03	08.....	Volume 1 - 777
Comsec Equipment	831010	13	03	01.....	Volume 1 - 83
DARP RC135	846070	65	04	06.....	Volume 1 - 897
DCGS-AF	846080	66	04	06.....	Volume 1 - 903
Defense Enterprise Accounting & Mgt Sys	834470	41	03	04.....	Volume 1 - 575
Engineering and EOD Equipment	845100	60	04	05.....	Volume 1 - 851
Fire Fighting/Crash Rescue Vehicles	824010	8	02	04.....	Volume 1 - 49
Fuels Support Equipment (FSE)	845550	62	04	05.....	Volume 1 - 877
GCSS-AF Fos	834430	40	03	04.....	Volume 1 - 565
General Information Technology	834010	30	03	04.....	Volume 1 - 329
Integrated Personnel and Pay System	834410	39	03	04.....	Volume 1 - 559
Integrated Strat Plan & Analy Network (ISPAN)	833560	28	03	03.....	Volume 1 - 317
Intelligence Training Equipment	832060	16	03	02.....	Volume 1 - 109
International Intel Tech & Architectures	832050	15	03	02.....	Volume 1 - 99
Joint Communications Support Element (JCSE)	835110	48	03	05.....	Volume 1 - 631
Joint Light Tactical Vehicle	823210	5	02	03.....	Volume 1 - 27
Maintenance Repair & Overhaul Initiative	834480	42	03	04.....	Volume 1 - 583
Materials Handling Vehicles	825990	9	02	05.....	Volume 1 - 55

**UNCLASSIFIED**

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Mechanized Material Handling Equip	843050	58	04	03.....	Volume 1 - 831
Medium Tactical Vehicle	822230	2	02	02.....	Volume 1 - 9
Minimum Essential Emergency Comm N	834210	36	03	04.....	Volume 1 - 501
Mission Planning Systems	833170	26	03	03.....	Volume 1 - 309
Mobility Command And Control	834070	33	03	04.....	Volume 1 - 447
Mobility Equipment	845420	61	04	05.....	Volume 1 - 867
National Airspace System	833020	19	03	03.....	Volume 1 - 211
POWER CONDITIONING EQUIPMENT	843040	57	04	03.....	Volume 1 - 823
Passenger Carrying Vehicles	821800	1	02	01.....	Volume 1 - 1
Personal Safety and Rescue Equipment	842990	56	04	02.....	Volume 1 - 801
Radio Equipment	837190	53	03	07.....	Volume 1 - 707
Runway Snow Remov And Cleaning Equ	826210	10	02	06.....	Volume 1 - 63
STRATEGIC MICROELECTRONIC SUPPLY SYSTEM	831020	14	03	01.....	Volume 1 - 97
Security And Tactical Vehicles	823230	6	02	03.....	Volume 1 - 33
Spares And Repair Parts	861900	72	05	01.....	Volume 1 - 929
Spares and Repair Parts (Cyber)	861350	71	05	01.....	Volume 1 - 927
Special Purpose Vehicles	823990	7	02	03.....	Volume 1 - 35
Special Update Program	846510	70	04	06.....	Volume 1 - 925
Strategic Command And Control	833140	24	03	03.....	Volume 1 - 271
Strategic Mission Planning & Execution System	833570	29	03	03.....	Volume 1 - 321

**UNCLASSIFIED**

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2024 • Procurement

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Tactical C-E Equipment	837100	52	03	07.....	Volume 1 - 671
Theater Air Control Sys Improvemen	833040	21	03	03.....	Volume 1 - 227
Theater Battle Mgt C2 System	834520	43	03	04.....	Volume 1 - 589
USCENTCOM	835140	49	03	05.....	Volume 1 - 639
USSPACECOM	835210	51	03	05.....	Volume 1 - 665
USSTRATCOM	835160	50	03	05.....	Volume 1 - 653
Weather Observation Forecast	833070	23	03	03.....	Volume 1 - 245
Wide Area Surveillance (WAS)	834240	37	03	04.....	Volume 1 - 513

**UNCLASSIFIED**

UNCLASSIFIED

Department of the Air Force  
 FY 2024 President's Budget  
 Exhibit P-1 FY 2024 President's Budget  
 Total Obligational Authority  
 3080F BA Summary  
 (Dollars in Thousands)

Mar 2023

Appropriation: Other Procurement, Air Force	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
<b><u>Budget Activity</u></b>					
02. Vehicular equipment	412,811	256,068	98,999	355,067	582,781
03. Electronics and telecommunications equipment	2,621,444	1,904,724	251,122	2,155,846	2,241,837
04. Other base maintenance and support equipment	23,889,721	25,838,996	815,931	26,654,927	27,579,614
05. Spare and repair parts	9,246	19,182	1,984	21,166	13,660
<b>Total Other Procurement, Air Force</b>	<b>26,933,222</b>	<b>28,018,970</b>	<b>1,168,036</b>	<b>29,187,006</b>	<b>30,417,892</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328)

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## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
DARP RC13:	P	DARP01	DARP Modification	181.2	27.4	28.2	28.9		28.9	29.5	30.2	31.3	32.0		388.5
<b>TOTAL FOR CLASS P</b>				181.2	27.4	28.2	28.9		28.9	29.5	30.2	31.3	32.0		388.5
<b>TOTAL FOR OTHER DARP RC135</b>				181.2	27.4	28.2	28.9		28.9	29.5	30.2	31.3	32.0		388.5

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
834210 MEECN	P	MEECN1	GASNTi1	295.2	65.3	39.4	43.3		43.3	26.7	12.8	0.0	0.0		482.8
		MEECN2	GASNTi2			13.1	40.8		40.8	81.8	54.6				190.2
<b>TOTAL FOR CLASS P</b>				295.2	65.3	52.5	84.1		84.1	108.5	67.3	0.0	0.0		673.0
<b>TOTAL FOR OTHER 834210 MEECN</b>				295.2	65.3	52.5	84.1		84.1	108.5	67.3	0.0	0.0		673.0

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0305903F	P	003	Mobile Consolidated Command Center Upgrade Block 01	8.3											8.3
		004	Mobile Consolidated Command Center Upgrade Block 02	9.8											9.8
		005	Mobile Consolidated Command Center Upgrade Block 03	8.1											8.1
		006	MCCC Upgrade Block 04	8.0	0.2										8.2
		007	Mobile Consolidated Command Center Upgrade Block 05		8.1	6.1	8.2		8.2						22.4
		008	Mobile Consolidated Command Center Upgrade Block 06							8.9	9.1	9.4			27.4
		009	Mobile Consolidated Command Center Upgrade Block 07										9.6		9.6
<b>TOTAL FOR CLASS P</b>				34.1	8.3	6.1	8.2		8.2	8.9	9.1	9.4	9.6		93.7
<b>TOTAL FOR OTHER 0305903F</b>				34.1	8.3	6.1	8.2		8.2	8.9	9.1	9.4	9.6		93.7

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0305984F TBMC2	P	2TBMC2	PRC2	0.7	0.4	0.3				0.4	0.4	0.5	0.5		3.1
<b>TOTAL FOR CLASS P</b>				0.7	0.4	0.3				0.4	0.4	0.5	0.5		3.1
<b>TOTAL FOR OTHER 0305984F TBMC2</b>				0.7	0.4	0.3				0.4	0.4	0.5	0.5		3.1

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0207589F	P	AFSS4	Base Physical Security Systems	114.5											114.5
<b>TOTAL FOR CLASS P</b>				114.5											114.5
<b>TOTAL FOR OTHER 0207589F</b>				114.5											114.5

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0303112F INFORMATION ON TRANSPORTATION SYSTEMS MODS	P	BITI Modificatio 1	BITI Mod/Recaps	93.5	58.5	28.5	108.5		108.5	177.4	80.0	68.0	69.5		684.0
<b>TOTAL FOR CLASS P</b>				93.5	58.5	28.5	108.5		108.5	177.4	80.0	68.0	69.5		684.0
<b>TOTAL FOR OTHER 0303112F INFORMATION TRANSPORTATION SYSTEMS MODS</b>				93.5	58.5	28.5	108.5		108.5	177.4	80.0	68.0	69.5		684.0

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0207589F	P	CSUAS2	C-sUAS	222.1											222.1
<b>TOTAL FOR CLASS P</b>				222.1											222.1
<b>TOTAL FOR OTHER 0207589F</b>				222.1											222.1

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0305208F	P	DCGS2	GEOINT Transformation (GEOINT)		32.3	29.4	1.4		1.4	0.5	7.4	7.6	7.6		86.2
		DCGS3	Network Infrastructure Transformation		18.4	46.0	45.1		45.1	7.2	18.6	58.0	61.0		254.3
		DCGS4	Multi-Intelligence (Multi-INT)		15.7	46.5	8.8		8.8	4.2	8.5	10.4	10.4		104.5
		DCGS7	Signals Intelligence (SIGINT)		60.1	7.6	1.0		1.0	7.2	7.1	4.6	4.6		92.2
		DGS-5	DGS-5 (Hawaii) Upgrade		9.7	7.5									17.2
<b>TOTAL FOR CLASS P</b>					136.3	137.0	56.3		56.3	19.1	41.7	80.5	83.5		554.4
<b>TOTAL FOR OTHER 0305208F</b>					136.3	137.0	56.3		56.3	19.1	41.7	80.5	83.5		554.4



## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0207589F	P	IBDSS-1	IBDSS-1	128.0											128.0
		IBDSS-2	IBDSS-2	116.4	66.0										182.4
		IBDSS-3	IBDSS-3			48.9	83.6		83.6	104.1					236.6
		IBDSS-4	IBDSS-4								105.1	71.0	72.2		248.3
<b>TOTAL FOR CLASS P</b>				244.4	66.0	48.9	83.6		83.6	104.1	105.1	71.0	72.2		795.4
<b>TOTAL FOR OTHER 0207589F</b>				244.4	66.0	48.9	83.6		83.6	104.1	105.1	71.0	72.2		795.4

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0303089F	P	Mod 1	0303089F AFINC/CSCS WS 0303089	203.3	65.4	78.0	154.9		154.9	59.2	60.4	60.1	73.1		754.4
<b>TOTAL FOR CLASS P</b>				203.3	65.4	78.0	154.9		154.9	59.2	60.4	60.1	73.1		754.4
<b>TOTAL FOR OTHER 0303089F</b>				203.3	65.4	78.0	154.9		154.9	59.2	60.4	60.1	73.1		754.4

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0305137F Mods	P	NAS Mod 2	NAS Low Cost Mods	1.9	1.9	1.8	1.8		1.8	2.0	2.0	2.1	2.2		15.7
		NAS Mod 3	DASR Site Control Data Interface (SCDI)	4.4											4.4
		NAS Mod 4	National Airspace System (NAS) Mod 4		0.6	0.6	4.6		4.6	0.6	0.6	0.7	0.7		8.4
<b>TOTAL FOR CLASS P</b>				6.3	2.4	2.4	6.4		6.4	2.6	2.7	2.8	2.8		28.5
<b>TOTAL FOR OTHER 0305137F Mods</b>				6.3	2.4	2.4	6.4		6.4	2.6	2.7	2.8	2.8		28.5

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
1203906F	P	NCMCB1	NORAD Cheyenne Mountain Complex Block 01	2.0											2.0
		NCMCB2	NORAD Cheyenne Mountain Complex Block 02	0.5											0.5
		NCMCB3	NORAD Cheyenne Mountain Complex Block 03	2.1											2.1
<b>TOTAL FOR CLASS P</b>				4.6											4.6
<b>TOTAL FOR OTHER 1203906F</b>				4.6											4.6

## P-1M MODIFICATION REPORT – 2024 PB

03/22/2023

<u>OTHER PROCUREMENT ENT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-22</u>	<u>FY-23</u>	<u>FY-24</u>	<u>FY-24 OCO</u>	<u>Total FY-24</u>	<u>FY-25</u>	<u>FY-26</u>	<u>FY-27</u>	<u>FY-28</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
0305114F Mods	P	P-3A Low Cost Mods	ATCALs Low Cost Mods (PE 0305114F)	1.6	1.9	1.8	1.9		1.9	2.0	2.1	2.2	2.2		15.7
<b>TOTAL FOR CLASS P</b>				1.6	1.9	1.8	1.9		1.9	2.0	2.1	2.2	2.2		15.7
<b>TOTAL FOR OTHER 0305114F Mods</b>				1.6	1.9	1.8	1.9		1.9	2.0	2.1	2.2	2.2		15.7

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## ACRONYMS

### *GENERAL ACRONYMS*

A&AS	- Advisory & Assistance Services
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
BES	- Budget Estimate Submission
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
EWAISP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red

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FOT&E	- Follow-on Test and Evaluation
FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
FY	- Fiscal Year
GANS	- Global Access Navigation & Safety
GATM	- Global Air Traffic Management
GFE	- Government Furnished Equipment
GFP	- Government Furnished Property
GPS	- Global Positioning System
GSE	- Ground Support Equipment
ICS	- Interim Contractor Support
IOC	- Initial Operating Capability
IT	- Information Technology
JUON	- Joint Urgent Operational Need
MAIS	- Major Automated Information System Program
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OCO	- Overseas Contingency Operations
OOC	- Overseas Operations Costs
OT&E	- Operational Test and Evaluation
OWRM	- Other War Reserve Material
PAGEL	- Priced Aerospace Ground Equipment List
PB	- President's Budget
PBR	- Program Budget Review
PMA	- Program Management Administration
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

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R&M	- Reliability and Maintainability
RAA	- Rapid Acquisition Authority
RDT&E	- Research, Development, Test and Evaluation
RWR	- Radar Warning Receiver
ROM	- Rough Order of Magnitude
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
WCF	- Working Capital Fund
WRM	- War Reserve Material
WST	- Weapon System Trainer
UAV	- Unmanned Aerial Vehicle
XML	- Extensible Markup Language

### ***BASE / ORGANIZATIONAL ACRONYMS***

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
AFOSI	- Air Force Office of Special Investigation
AFOTEC	- Air Force Operational Test & Evaluation Center
AFPC	- Air Force Personnel Center

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

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### ***CONTRACT METHOD / TYPE ACRONYMS***

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

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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 SFB, 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 SFB, 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

### ***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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 1: Passenger Carrying Vehicles	<b>P-1 Line Item Number / Title:</b> 821800 / Passenger Carrying Vehicles
--	--

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	8.448	3.796	6.123	-	6.123	6.832	6.994	7.255	7.408	-	46.856
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	8.448	3.796	6.123	-	6.123	6.832	6.994	7.255	7.408	-	46.856
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>8.448</b>	<b>3.796</b>	<b>6.123</b>	-	<b>6.123</b>	<b>6.832</b>	<b>6.994</b>	<b>7.255</b>	<b>7.408</b>	-	<b>46.856</b>

*(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:**

Passenger Carrying Vehicles includes the procurement of sedans, 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.

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.

This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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: 027142F, 027597F, 035202F, 052831F, 057831F, 072831F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 1: Passenger Carrying Vehicles	<b>P-1 Line Item Number / Title:</b> 821800 / Passenger Carrying Vehicles
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	79	25	64	0	64	-	-	-	-
	Total Obligation Authority	8.173	3.543	5.872	0.000	5.872	-	-	-	-
AFNG	Quantity	4	4	2	0	2	-	-	-	-
	Total Obligation Authority	0.210	0.188	0.178	0.000	0.178	-	-	-	-
AFR	Quantity	3	2	2	0	2	-	-	-	-
	Total Obligation Authority	0.065	0.065	0.073	0.000	0.073	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>86</b>	<b>31</b>	<b>68</b>	<b>0</b>	<b>68</b>	-	-	-	-
	<b>Total Obligation Authority</b>	<b>8.448</b>	<b>3.796</b>	<b>6.123</b>	<b>0.000</b>	<b>6.123</b>	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Passenger Carrying Vehicles				- / -	- / 8.448	- / 3.796	- / 6.123	- / -	- / 6.123
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 8.448</b>	<b>- / 3.796</b>	<b>- / 6.123</b>	<b>- / -</b>	<b>- / 6.123</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 6.123M will procure, but not be limited to, 68 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

Pacific Deterrence Initiative (PDI) Overseas Operations Costs increase between FY23 and FY24 provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures 50 ton trucks and 44.5K Tractor Trucks needed to perform Airfield Damage Repair.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
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								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
UKRAINE SUPPORT SUPPLEMENTAL	A		-	-	-	-	-	-	1.350	1	1.350	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	1	1.350	-	-	-	-	-	-	-	-	-	
23 Pax Bus 3919	A		-	-	-	0.090	6	0.542	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	6	0.542	-	-	-	-	-	-	-	-	-	-	-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.005	-	-	0.002	-	-	0.015	-	-	-	-	0.015	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.005	-	-	0.002	-	-	0.015	-	-	-	-	0.015	
SEDANS	A		-	-	-	-	-	-	0.027	13	0.354	0.027	34	0.927	-	-	-	0.027	34	0.927
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	9	0.246	-	33	0.900	-	-	-	-	-	33	0.900
AFNG			-	-	-	-	-	-	3	0.081	-	-	-	-	-	-	-	-	-	
AFR			-	-	-	-	-	-	1	0.027	-	1	0.027	-	-	-	-	-	1	0.027
LAW ENFORCEMENT SEDANS	A		-	-	-	-	-	-	0.038	5	0.188	0.046	5	0.231	-	-	-	0.046	5	0.231
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	4	0.150	-	3	0.139	-	-	-	-	-	3	0.139
AFNG			-	-	-	-	-	-	-	-	-	1	0.046	-	-	-	-	-	1	0.046
AFR			-	-	-	-	-	-	1	0.038	-	1	0.046	-	-	-	-	-	1	0.046
ARMORED SEDANS	A		-	-	-	-	-	-	0.211	1	0.211	0.211	3	0.632	-	-	-	0.211	3	0.632
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	1	0.211	-	3	0.632	-	-	-	-	-	3	0.632
BUSES - SMALL	A		-	-	-	-	-	-	0.107	9	0.965	0.133	23	3.058	-	-	-	0.133	23	3.058
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	8	0.858	-	22	2.926	-	-	-	-	-	22	2.926
AFNG			-	-	-	-	-	-	1	0.107	-	1	0.132	-	-	-	-	-	1	0.132
BUSES - LARGE	A		-	-	-	-	-	-	0.534	1	0.534	0.534	2	1.068	-	-	-	0.534	2	1.068
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	1	0.534	-	2	1.068	-	-	-	-	-	2	1.068
AMBULANCES	A		-	-	-	-	-	-	0.192	1	0.192	0.192	1	0.192	-	-	-	0.192	1	0.192
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	1	0.192	-	1	0.192	-	-	-	-	-	1	0.192



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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
SDN MIDSIZE 5PAX CL III (2310-01-074-7736)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUB COMPACT SEDAN (2310-01-434-2235)	A		-	-	-	0.019	8	0.155	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		6	0.116		-	0.000		-	-		-	-		-	
AFR				-	-		2	0.039		-	-		-	-		-	-		-	
HYBRID SEDAN (2310-01-575-5380)	A		-	-	-	0.021	2	0.041	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.041		-	0.000		-	-		-	-		-	
SDN DOD INVESTIGATION UPFIT (2310-01-670-6144)	A		-	-	-	0.035	8	0.284	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		8	0.284		-	0.000		-	-		-	-		-	
AFNG				-	-		-	0.000		-	0.000		-	-		-	-		-	
HI PERFORMANCE SEDAN (2310-01-571-3859)	A		-	-	-	0.034	4	0.135	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.135		-	0.000		-	-		-	-		-	
SEDAN, CMPT (2310-01-096-3343)	A		-	-	-	0.026	15	0.384	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		12	0.307		-	0.000		-	-		-	-		-	
AFNG				-	-		2	0.051		-	-		-	-		-	-		-	
AFR				-	-		1	0.026		-	-		-	-		-	-		-	
AMB, 44 PAX CONV US (2310-00-289-9082)	A		-	-	-	0.138	3	0.414	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.414		-	0.000		-	-		-	-		-	
AMB, MOD 4X4 US (2310-01-125-9516)	A		-	-	-	0.191	2	0.382	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.382		-	0.000		-	-		-	-		-	
BUS, 16 PAX US (2310-01-186-2924)	A		-	-	-	0.079	7	0.556	-	-	-	-	-	-	-	-	-	-	-	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-		5	0.397		-	0.000		-	-		-	-		-	
AFNG				-	-		2	0.159		-	-		-	-		-	-		-	
BUS INTRACITY 4X2 41-51PAX (2310-01-372-1822)	A		-	-	-	0.121	1	0.121	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.121		-	0.000		-	-		-	-		-	
BUS, 28 PAX US (2310-01-357-8985)	A		-	-	-	0.108	9	0.972	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		9	0.972		-	0.000		-	-		-	-		-	
AFNG				-	-			0.000		-	-		-	-		-	-		-	
BUS, 41 PAX US (2310-00-877-5647)	A		-	-	-	0.518	3	1.555	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	1.555		-	0.000		-	-		-	-		-	
BUS, 44 PAX US (2310-01-357-8986)	A		-	-	-	0.126	9	1.134	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		9	1.134		-	0.000		-	-		-	-		-	
ARMORED SEDAN (2310-01-135-0997)	A		-	-	-	0.211	4	0.843	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.843		-	0.000		-	-		-	-		-	
AMBULANCE MODULAR 4X2 (2310-01-129-4702)	A		-	-	-	0.185	5	0.925	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.925		-	0.000		-	-		-	-		-	
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>8.448</b>	-	-	<b>3.796</b>	-	-	<b>6.123</b>	-	-	-	-	<b>6.123</b>	
<b>Total</b>			-	-	-	-	-	<b>8.448</b>	-	-	<b>3.796</b>	-	-	<b>6.123</b>	-	-	-	-	<b>6.123</b>	

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

**Remarks:**  
 The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 1	<b>P-1 Line Item Number / Title:</b> 821800 / Passenger Carrying Vehicles	<b>Aggregated Items Title:</b> Passenger Carrying Vehicles

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.804	1.125	3.961	-	3.961	5.039	5.156	5.348	5.463	-	26.896
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.804	1.125	3.961	-	3.961	5.039	5.156	5.348	5.463	-	26.896
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.804</b>	<b>1.125</b>	<b>3.961</b>	-	<b>3.961</b>	<b>5.039</b>	<b>5.156</b>	<b>5.348</b>	<b>5.463</b>	-	<b>26.896</b>

*(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 Family of Medium Tactical Vehicles (FMTV) contains a broad class of military specification vehicles with the capability to operate in austere and adverse terrain. They include, but are not limited to, Cargo Trucks, Wreckers, Dump Trucks, Tractors, Mobilizers, and Medium Tactical Trailers. They provide a range of capabilities such as line haul, mobility, resupply, maintenance, recovery, construction and civil engineering support. They can be ordered with armor and winch systems. These tactical vehicles are used by Combat Communication Units, Air Support Operation Squadrons (ASOS), Explosive Ordnance Disposal units (EOD), and other direct mission support units throughout the Air Force.

M1297 Ground Mobility Vehicle (GMV) 1.1: The GMV is a fast, lightweight, and highly mobile all-terrain combat vehicle developed to fill a ground mobility capability gap that was identified by SOCOM. The GMV is capable of being transported in the CH-47, CV-22 and C-130 aircraft and is low-velocity airdrop capable. The GMV can carry up to nine personnel. It is capable of being "guns up in under a minute after exiting the aircraft, and can carry a variety of armaments. Its adaptable communications suite provides increased operating range and provides the operator real-time access to critical information. The advanced lightweight chassis and suspension allows the GMV to negotiate severe terrain at high speeds, maintain stability and performance while carrying a maximum payload. The main weapon turret allows for 360 degrees of firepower protection up to a 30mm cannon. Door mounted arm-swings can be mounted to handle smaller caliber secondary crew-served weapons. This vehicle is primarily used by Air Force Tactical Air Control Party (TACP) and Special Operations forces.

Infantry Squad Vehicle (ISV): The ISV provides mobility for a 9-person squad with associated equipment to move around the close battle area. The ISV is a lightweight, high mobility platform that is transportable by all means including vertical lift and Low Velocity Air Drop (LVAD). The ISV adds a needed capability to Airmen for mobility to support dispersed wide area security, increased speed, extended reach, burden reduction, carrying enablers, battery charging, mission command enhancement, and offers the commander new maneuver options. This vehicle is primarily used by Special Operations Forces, Tactical Air Control Party, and Security Forces.

This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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 052831F, 057831F, 072831F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	8	5	7	0	7	-	-	-	-
	Total Obligation Authority	0.804	0.466	1.400	0.000	1.400	-	-	-	-
AFNG	Quantity	0	2	13	0	13	-	-	-	-
	Total Obligation Authority	0.000	0.296	1.613	0.000	1.613	-	-	-	-
AFR	Quantity	0	4	12	0	12	-	-	-	-
	Total Obligation Authority	0.000	0.363	0.948	0.000	0.948	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>8</b>	<b>11</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>0.804</b>	<b>1.125</b>	<b>3.961</b>	<b>0.000</b>	<b>3.961</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Justification:**

FY24 procurement dollars in the amount of \$3.961M will procure, but not be limited to, 32 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	1.800	1.900	1.027	-	1.027	1.150	1.177	1.221	1.247	-	9.522
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	1.800	1.900	1.027	-	1.027	1.150	1.177	1.221	1.247	-	9.522
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>1.800</b>	<b>1.900</b>	<b>1.027</b>	-	<b>1.027</b>	<b>1.150</b>	<b>1.177</b>	<b>1.221</b>	<b>1.247</b>	-	<b>9.522</b>

*(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 Civil Air Patrol (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 (NGOs) to perform emergency or non-emergency public purpose missions and activities.

Pursuant to US Code (Title 10 & 36) the purpose of CAP Corporation is to encourage and aid citizens of the US in contributing their efforts, services, and resources in developing aviation and in maintaining air supremacy; and to encourage and develop, by example, the voluntary contribution of private citizens to the public welfare.

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.

CAP's procurement processes/standards are described in Department of Defense Grant & Agreement Regulations.

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

**Justification:**

FY24 funding procures, but is not limited to, vehicles, Cadet and Aerospace Education programs that encourage and develop the voluntary contribution of private citizens to the public welfare.

Vehicle type and quantities may change in execution year due to market availability, cost changes, mission requirements, additional funding, and needs of the organization. CAP generally receives a mark-up in execution year funds from Congress.

CAP provides critical communication and 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.

AF central procurement processes are not applicable.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Cargo and Utility Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	50.730	43.513	45.036	-	45.036	38.033	44.075	40.134	37.625	-	299.146
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	50.730	43.513	45.036	-	45.036	38.033	44.075	40.134	37.625	-	299.146
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>50.730</b>	<b>43.513</b>	<b>45.036</b>	-	<b>45.036</b>	<b>38.033</b>	<b>44.075</b>	<b>40.134</b>	<b>37.625</b>	-	<b>299.146</b>

*(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:**

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.

"This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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: 027597F, 028028F, 035114F, 052831F, 057831F, 072831F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	1,082	512	690	0	690	-	-	-	-
	Total Obligation Authority	40.500	33.989	34.280	0.000	34.280	-	-	-	-
AFNG	Quantity	212	171	175	0	175	-	-	-	-
	Total Obligation Authority	7.583	7.009	7.619	0.000	7.619	-	-	-	-
AFR	Quantity	82	71	68	0	68	-	-	-	-
	Total Obligation Authority	2.647	2.515	3.137	0.000	3.137	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>1,376</b>	<b>754</b>	<b>933</b>	<b>0</b>	<b>933</b>	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 2: Cargo and Utility Vehicles	<b>P-1 Line Item Number / Title:</b> 822990 / Cargo and Utility Vehicles
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	50.730	43.513	45.036	0.000	45.036	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Cargo and Utility Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Cargo and Utility Vehicles				- / -	- / 50.730	- / 43.513	- / 45.036	- / -	- / 45.036
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 50.730	- / 43.513	- / 45.036	- / -	- / 45.036

\*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. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 45.0365M will procure, but not be limited to, 933 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

Pacific Deterrence Initiative (PDI), Oversease Operations Costs increase between FY23 \$0 and FY24 \$4,655 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures 50 ton trucks and 44.5K Tractor Trucks needed to perform Airfield Damage Repair.

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
UKRAINE OFFSET SUPPLEMENTAL	A		-	-	-	-	-	-	8.293	1	8.293	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		1	8.293	-	-	-	-	-	-	-	-	
TRK 1/2 Crew Cab 4x4 PU (2320-01-484-6745)	A		-	-	-	0.034	31	1.054	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		31	1.054	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK MIL SEPC & F450	A		-	-	-	-	-	-	-	-	-	0.063	56	3.528	-	-	-	0.063	56	3.528
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-		51	3.213	-	-	-		51	3.213
AFNG			-	-	-	-	-	-	-	-	-		3	0.189	-	-	-		3	0.189
AFR			-	-	-	-	-	-	-	-	-		2	0.126	-	-	-		2	0.126
TRUCK TRACTORS	A		-	-	-	-	-	-	0.131	74	9.681	0.132	64	8.448	-	-	-	0.132	64	8.448
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		59	7.718		55	7.260	-	-	-		55	7.260
AFNG			-	-	-	-	-	-		13	1.701		8	1.056	-	-	-		8	1.056
AFR			-	-	-	-	-	-		2	0.262		1	0.132	-	-	-		1	0.132
PASSENGER CARRYING TRUCKS 4X2	A		-	-	-	-	-	-	0.024	139	3.403	0.030	170	5.100	-	-	-	0.030	170	5.100
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		91	2.228		136	4.080	-	-	-		136	4.080
AFNG			-	-	-	-	-	-		33	0.808		32	0.960	-	-	-		32	0.960
AFR			-	-	-	-	-	-		15	0.367		2	0.060	-	-	-		2	0.060
PASSENGER CARRYING TRUCKS 4X4	A		-	-	-	-	-	-	0.033	151	5.044	0.048	111	5.328	-	-	-	0.048	111	5.328
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		76	2.539		74	3.552	-	-	-		74	3.552
AFNG			-	-	-	-	-	-		62	2.071		22	1.056	-	-	-		22	1.056
AFR			-	-	-	-	-	-		13	0.434		15	0.720	-	-	-		15	0.720
TRUCKS, SPECIAL DESIGN, 4X4	A		-	-	-	-	-	-	0.062	20	1.234	0.027	84	2.268	-	-	-	0.027	84	2.268
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		16	0.987		54	1.458	-	-	-		54	1.458
AFNG			-	-	-	-	-	-		4	0.247		26	0.702	-	-	-		26	0.702

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFR				-	-		-	-		-		4	0.108		-	-		4	0.108	
VANS / MULTISTOPS	A		-	-	-	-	-	-	0.031	79	2.431	0.036	89	3.191	-	-	-	0.036	89	3.191
<i>Secondary Distribution</i>																				
AF				-	-		-	-		57	1.754		59	2.183		-	-		59	2.183
AFNG				-	-		-	-		7	0.215		18	0.612		-	-		18	0.612
AFR				-	-		-	-		15	0.462		12	0.396		-	-		12	0.396
TRUCK CARRYALLS	A		-	-	-	-	-	-	0.029	60	1.763	0.030	57	1.710	-	-	-	0.030	57	1.710
<i>Secondary Distribution</i>																				
AF				-	-		-	-		44	1.293		54	1.620		-	-		54	1.620
AFNG				-	-		-	-		13	0.382		2	0.060		-	-		2	0.060
AFR				-	-		-	-		3	0.088		1	0.030		-	-		1	0.030
TRUCK STAKE AND PLATFORMS	A		-	-	-	-	-	-	0.038	74	2.845	0.041	68	2.788	-	-	-	0.041	68	2.788
<i>Secondary Distribution</i>																				
AF				-	-		-	-		39	1.499		60	2.460		-	-		60	2.460
AFNG				-	-		-	-		20	0.769		6	0.246		-	-		6	0.246
AFR				-	-		-	-		15	0.577		2	0.082		-	-		2	0.082
SPORTS UTILITY VEHICLES	A		-	-	-	-	-	-	0.024	22	0.529	0.025	93	2.325	-	-	-	0.025	93	2.325
<i>Secondary Distribution</i>																				
AF				-	-		-	-		19	0.457		56	1.400		-	-		56	1.400
AFNG				-	-		-	-		1	0.024		21	0.525		-	-		21	0.525
AFR				-	-		-	-		2	0.048		16	0.400		-	-		16	0.400
ARMORED SPORTS UTILITY VEHICLES	A		-	-	-	-	-	-	0.200	15	3.000	0.200	27	5.400	-	-	-	0.200	27	5.400
<i>Secondary Distribution</i>																				
AF				-	-		-	-		15	3.000		20	4.000		-	-		20	4.000
AFNG				-	-		-	-		-	-		4	0.800		-	-		4	0.800
AFR				-	-		-	-		-	-		3	0.600		-	-		3	0.600
LAW ENFORCEMENT PATROL & MILITARY WORKING DOG VEHICLES	A		-	-	-	-	-	-	0.049	39	1.928	0.065	35	2.275	-	-	-	0.065	35	2.275
<i>Secondary Distribution</i>																				
AF				-	-		-	-		33	1.631		21	1.365		-	-		21	1.365
AFNG				-	-		-	-		4	0.198		8	0.520		-	-		8	0.520
AFR				-	-		-	-		2	0.099		6	0.390		-	-		6	0.390
TRAILERS, SMALL	A		-	-	-	-	-	-	0.016	7	0.112	0.016	31	0.496	-	-	-	0.016	31	0.496

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																					
AF				-	-		-	-		6	0.096		20	0.320		-	-		20	0.320	
AFNG				-	-		-	-		1	0.016		8	0.128		-	-		8	0.128	
AFR				-	-		-	-		-	-		3	0.048		-	-		3	0.048	
TRAILERS, LARGE	A		-	-	-	-	-	-	0.044	73	3.246	0.045	48	2.160		-	-	-	0.045	48	2.160
<i>Secondary Distribution</i>																					
AF				-	-		-	-		56	2.490		30	1.350		-	-		30	1.350	
AFNG				-	-		-	-		13	0.578		17	0.765		-	-		17	0.765	
AFR				-	-		-	-		4	0.178		1	0.045		-	-		1	0.045	
TRK CGO 4X2 4DR 17-20999G (2320-00-879-0680)	A		-	-	-	-	-	-	-	-	0.000		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		-	-		-	0.000		-	-		-	-		-	-	
AFNG				-	-		-	-		-	0.000		-	-		-	-		-	-	
TRK 1/2 TON EXTENDED CAB 4X4 (2320-01-462-7874)	A		-	-	-	0.043	2	0.086	-	-	0.000		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		2	0.086		-	0.000		-	-		-	-		-	-	
AFNG				-	-		-	-		-	0.000		-	-		-	-		-	-	
TRK TRAC 4X2 24M-44500G (2320-01-663-0742)	A		-	-	-	0.153	4	0.612	-	-	-		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		4	0.612		-	0.000		-	-		-	-		-	-	
SUV, PATROL MWD UP-FIT (2320-01-671-3641)	A		-	-	-	0.062	1	0.062	-	-	0.000		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		1	0.062		-	0.000		-	-		-	-		-	-	
PAYLOAD TRANSPORT TRUCK (2320-01-529-5420)	A		-	-	-	-	-	-	-	-	0.000		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		-	-		-	0.000		-	-		-	-		-	-	
TRL VAN 48 FT HARD SIDE (2330-01-627-5975)	A		-	-	-	-	-	-	-	-	0.000		-	-		-	-		-	-	
<i>Secondary Distribution</i>																					
AF				-	-		-	-		-	0.000		-	-		-	-		-	-	

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
SUV DOD PATROL UP-FIT (2320-01-670-6148)	A		-	-	-	0.057	5	0.285	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.285		-	0.000		-	-		-	-		-	
TRK MLTSP 4X2 12500-16999GVW (2320-01-090-7900)	A		-	-	-	0.110	5	0.550	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.550		-	0.000		-	-		-	-		-	
TRK STK 4X2 2.5 TON (2320-01-064-8540)	A		-	-	-	0.108	3	0.324	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.324		-	0.000		-	-		-	-		-	
TRK PU 4DR 4X4 F450 (2320-01-501-6635)	A		-	-	-	0.064	3	0.192	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.192		-	0.000		-	-		-	-		-	
ARMORED 4X4 SUV (2320-01-537-7753)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
TRK S&P 1000GVW 4X4 (2320-01-302-2698)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
4X2 4DR SUV (2320-01-484-8859)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
TRK CGO 4X4 (2320-01-674-9408)	A		-	-	-	0.125	1	0.125	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.125		-	0.000		-	-		-	-		-	
TRK UTILITY 4X4 4DOOR (2320-01-338-6502)	A		-	-	-	0.034	3	0.102	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.102		-	0.000		-	-		-	-		-	

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRK CGO CMPT 4X4 3500G (2320-01-087-8223)	A		-	-	-	0.033	4	0.132	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.132		-	0.000		-	-		-	-		-	
PMA Other Government Costs	A		-	-	-	-	-	-	-	-	0.004	-	-	0.019	-	-	-	-	-	0.019
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.004		-	0.019		-	-		-	0.019
TRK TRAC 55 GVW 6X4 RH (2320-01-058-5724)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRAILER, DROPDECK, 25T (2330-01-657-3335)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
1T S&P 4X2 (2320-00-851-8481)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRK 4X4 DOD MWD UP-FIT (2320-01-670-6147)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
TRAILER TILT DECK 6TON (2330-01-657-2183)	A		-	-	-	0.011	4	0.044	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.044		-	0.000		-	-		-	-		-	
TRAILER VAN CARGO 12TON (2330-01-657-3336)	A		-	-	-	0.041	3	0.123	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.123		-	0.000		-	-		-	-		-	
TRAILER 20T 40FT W/COVER KIT (2330-01-094-0007)	A		-	-	-	0.053	4	0.214	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.214		-	0.000		-	-		-	-		-	
TRAILER LOWBED 35TON (2330-01-051-6648)	A		-	-	-	0.057	4	0.226	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				



**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		2	0.113		-	0.000		-	-		-	-		-	-
AFNG				-	-		2	0.113		-	-		-	-		-	-		-	-
TRAILER LOW-BED 20TON 25FT (2330-01-657-1333)	A		-	-	-	0.035	10	0.354	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		9	0.319		-	0.000		-	-		-	-		-	-
AFNG				-	-		1	0.035		-	-		-	-		-	-		-	-
TRK CGO 4DR 4X4 TLR TWG (2320-01-424-2760)	A		-	-	-	0.038	38	1.445	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		36	1.368		-	0.000		-	-		-	-		-	-
AFNG				-	-		2	0.077		-	-		-	-		-	-		-	-
TRAILER, 38 FT. SEMI (2330-01-381-9477)	A		-	-	-	0.035	121	4.233	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		114	3.990		-	-		-	-		-	-		-	-
AFNG				-	-		4	0.139		-	-		-	-		-	-		-	-
AFR				-	-		3	0.104		-	-		-	-		-	-		-	-
TRK VAN 16000-24000 GVW (2320-01-039-7929)	A		-	-	-	0.074	3	0.222	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.222		-	0.000		-	-		-	-		-	-
TRAILER, FLAT BED, 45 FT. AIR RIDE (2330-01-061-8609)	A		-	-	-	0.037	2	0.074	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.037		-	0.000		-	-		-	-		-	-
AFNG				-	-		1	0.037		-	-		-	-		-	-		-	-
TRAILER, 50 TON LOWBED (2330-01-058-5911)	A		-	-	-	0.069	8	0.549	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		8	0.549		-	0.000		-	-		-	-		-	-
TRAILER, LOWBED, TILT DECK, 22 TON (2330-01-657-3337)	A		-	-	-	0.042	4	0.168	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		2	0.084		-	0.000		-	-		-	-		-	-

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFNG				-	-		2	0.084		-	-		-	-		-	-		-	-
TRUCK, PICKUP, CREW CAB, 1/2T, 4X4 (2320-01-484-6748)	A		-	-	-	0.026	86	2.213	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		49	1.261		-	0.000		-	-		-	-		-	-
AFNG				-	-		37	0.952		-	-		-	-		-	-		-	-
TRUCK, PICKUP CREW CAB 4X4, 3/4T CU (2320-00-580-2955)	A		-	-	-	0.042	129	5.403	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		96	4.032		-	0.000		-	-		-	-		-	-
AFNG				-	-		24	0.997		-	-		-	-		-	-		-	-
AFR				-	-		9	0.374		-	-		-	-		-	-		-	-
TRUCK, PICKUP CREW CAB 4X2, 3/4T CU (2320-00-580-2954)	A		-	-	-	0.031	129	3.998	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		100	3.100		-	0.000		-	-		-	-		-	-
AFNG				-	-		22	0.681		-	-		-	-		-	-		-	-
AFR				-	-		7	0.217		-	-		-	-		-	-		-	-
TRUCK, STAKE AND PLATFORM 4X2 1000GVW (2320-01-250-7367)	A		-	-	-	0.033	54	1.785	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		45	1.485		-	0.000		-	-		-	-		-	-
AFNG				-	-		7	0.233		-	-		-	-		-	-		-	-
AFR				-	-		2	0.067		-	-		-	-		-	-		-	-
TRUCK, CARRYALL 4X2 8 PAX (2320-00-879-7662)	A		-	-	-	0.030	45	1.367	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		38	1.154		-	0.000		-	-		-	-		-	-
AFNG				-	-		5	0.152		-	-		-	-		-	-		-	-
AFR				-	-		2	0.061		-	-		-	-		-	-		-	-
TRUCK, CARRYALL 4X2 15 PAX (2320-01-036-6569)	A		-	-	-	0.031	52	1.599	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-	46	1.415		-	0.000		-	-		-	-		-	-	
AFNG				-	-	3	0.092		-	-		-	-		-	-		-	-	
AFR				-	-	3	0.092		-	-		-	-		-	-		-	-	
TRUCK, CARRYALL 4X2 7 PAX (2320-01-173-6113)	A		-	-	0.023	25	0.569	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-	19	0.432		-	0.000		-	-		-	-		-	-	
AFNG				-	-	6	0.137		-	-		-	-		-	-		-	-	
TRUCK, PICKUP 4X4 1/2 T 4600 & 5799 GVW (2320-00-811-6869)	A		-	-	0.029	39	1.130	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-	33	0.956		-	0.000		-	-		-	-		-	-	
AFNG				-	-	4	0.116		-	-		-	-		-	-		-	-	
AFR				-	-	2	0.058		-	-		-	-		-	-		-	-	
SUV, 4X4 COMPACT 4500 GVW (2320-01-563-7478)	A		-	-	0.025	16	0.399	-	-	0.000	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-	16	0.399		-	0.000		-	-		-	-		-	-	
VAN, MAINTENANCE UTILITY DELIVERY (2320-01-176-2223)	A		-	-	0.031	97	3.047	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-	39	1.227		-	-		-	-		-	-		-	-	
AFNG				-	-	34	1.067		-	-		-	-		-	-		-	-	
AFR				-	-	24	0.753		-	-		-	-		-	-		-	-	
TRUCK, TRACTOR 44.5G (2320-00-271-1432)	A		-	-	0.136	37	5.032	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-	30	4.080		-	-		-	-		-	-		-	-	
AFNG				-	-	5	0.680		-	-		-	-		-	-		-	-	
AFR				-	-	2	0.272		-	-		-	-		-	-		-	-	
TRUCK, VAN PANEL 4X2 (2320-01-013-2754)	A		-	-	0.027	45	1.215	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 2	<b>P-1 Line Item Number / Title:</b> 822990 / Cargo and Utility Vehicles	<b>Aggregated Items Title:</b> Cargo and Utility Vehicles
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		43	1.161		-	0.000		-	-		-	-		-	-
AFNG				-	-		1	0.027		-	-		-	-		-	-		-	-
AFR				-	-		1	0.027		-	-		-	-		-	-		-	-
TRUCK, TRACTOR 39.5G (2320-01-341-7627)	A		-	-	-	0.136	9	1.224	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		6	0.816		-	0.000		-	-		-	-		-	-
AFNG				-	-		3	0.408		-	-		-	-		-	-		-	-
TRK 1/2 TON (2320-00-540-1428)	A		-	-	-	0.022	114	2.498	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		84	1.848		-	-		-	-		-	-		-	-
AFNG				-	-		18	0.390		-	-		-	-		-	-		-	-
AFR				-	-		12	0.260		-	-		-	-		-	-		-	-
1/2T 4X4 PU EXT CAB MILTRK (2320-01-483-9971)	A		-	-	-	0.059	5	0.295	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		2	0.118		-	0.000		-	-		-	-		-	-
AFNG				-	-		3	0.177		-	0.000		-	-		-	-		-	-
TRUCK, COMPACT CREW CAB 4X4 (2320-01-500-5203)	A		-	-	-	0.030	46	1.364	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		42	1.245		-	-		-	-		-	-		-	-
AFNG				-	-		4	0.119		-	-		-	-		-	-		-	-
TRUCK, PICKUP CREW CAB 4X2 (2320-01-504-1443)	A		-	-	-	0.032	74	2.368	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		67	2.144		-	-		-	-		-	-		-	-
AFNG				-	-		7	0.224		-	-		-	-		-	-		-	-
TRUCK, 1/4 TON 4X2 EXT CAB (2320-01-496-0404)	A		-	-	-	0.024	92	2.212	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		62	1.488		-	0.000		-	-		-	-		-	-
AFNG				-	-		15	0.362		-	-		-	-		-	-		-	-
AFR				-	-		15	0.362		-	-		-	-		-	-		-	-

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 2 **P-1 Line Item Number / Title:** 822990 / Cargo and Utility Vehicles **Aggregated Items Title:** Cargo and Utility Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRK TRAC MSL SPT (2320-00-344-4397)	A		-	-	-	0.161	3	0.482	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.322		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.160		-	-		-	-		-	-		-	
TRAILER, BOLSTER (2330-01-657-3338)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12 TON STAKE PLATFORM TRAILER (2330-01-657-3331)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TLR FB 3-8 TON (2330-00-014-0494)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRK TRACTOR (2320-01-482-9775)	A		-	-	-	0.124	1	0.124	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AFNG				-	-		1	0.124		-	0.000		-	-		-	-		-	
TRAILER, DETACHABLE GOOSENECK 60TON (2330-00-349-2572)	EA		-	-	-	0.082	15	1.230	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		15	1.230		-	0.000		-	-		-	-		-	
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	50.730	-	-	43.513	-	-	45.036	-	-	-	-	45.036	
<b>Total</b>			-	-	-	-	-	50.730	-	-	43.513	-	-	45.036	-	-	-	-	45.036	

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

**Remarks:**

FY2022 includes 5.737 million in OOC execution.

The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 823210 / Joint Light Tactical Vehicle

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	110.424	87.727	57.780	-	57.780	76.386	69.435	67.504	64.461	-	533.717
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	110.424	87.727	57.780	-	57.780	76.386	69.435	67.504	64.461	-	533.717
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>110.424</b>	<b>87.727</b>	<b>57.780</b>	-	<b>57.780</b>	<b>76.386</b>	<b>69.435</b>	<b>67.504</b>	<b>64.461</b>	-	<b>533.717</b>

*(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 Joint Light Tactical Vehicle (JLTV) Family of Vehicles (FoV) has been chosen by the Department of Defense (DOD) as the multi-service (USMC, Army, Navy, and Air Force) tactical vehicle replacement for the HMMWV. The Army has been assigned lead service responsibilities for the JLTV and has established the Army Joint Program Office (JPO). All JLTVs must be acquired through the Army JPO contract. The JLTV provides major operational improvements in Force Protection (FP), payload, mobility, fuel efficiency and reliability, along with the growth potential to meet future mission requirements. The JLTV also has a companion trailer that is available with the vehicle to replace the HMMWV trailer (M1101/M1102).

The USAF investment in JLTVs began in FY17 and FY18 under 823230 - Security and Tactical Vehicles. Starting in FY19 JLTVs will be procured under BPAC 823210. Currently the USAF plans on purchasing 2,093 JLTVs. The USAF JLTVs span three different vehicle variants consisting of 26 different mission configurations and a JLTV trailer. Some mission configurations already exist and others are currently being developed through Work Directives generated and worked through the JPO.

General Purpose (GP) JLTV - The GP JLTV is the base vehicle that carries a 4 man-crew with a payload of 3,500 lbs. Users: ACC, AFMC, AMC, PACAF, USAFE.

Utility (UT) JLTV - The Utility JLTV carries a 2 man crew for cargo delivery or shelter carrier. It supports a payload of 5,100 lbs. Users: ACC, AFMC, AMC, PACAF.

Heavy Guns Carrier (HGC) JLTV - The HGC JLTV carries a 4 man-crew and a Gunner in Turret or Remote Weapon System (RWS). It supports crew served weapons (M-2 or MK-19) with Gunner's Protection Kit or RWS. Users: AETC, AFCENT, AFGSC, AFSPC, AMC, PACAF, USAFE.

JLTV Trailer - The JLTV Trailer is capable of meeting similar mobility characteristics to the prime mover and is capable of safely carrying payload of 5500 lbs. Users: EOD.

Contractor Furnished Equipment (CFE) Kits: These are options that come fully installed and integrated into the vehicle during production. CFE kits include, but are not limited to, Armor kits, intercom kit, run flat tires, combat bumpers, and explosively formed projectile protection kits.

Government Furnished Equipment (GFE): There are two types of GFE related to the JLTV, Expansion Kits and Overhead Equipment.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 823210 / Joint Light Tactical Vehicle

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

**Line Item MDAP/MAIS Code:** N/A

- Expansion Kits: These kits are installed during vehicle production and provide all necessary cabling (power, signal, RF), connectors, and hardware to enable installation of Mission Specific Equipment above and beyond the Contractor furnished Base Vehicle Platform Infrastructure and Baseline Integration Kits. These expansion kits include, but are not limited to, VRC radio kits, CREW-CVRJ kits, DVE kits, and shot detection kits.

- Overhead Equipment: Currently, the only Overhead GFE approved for procurement funds includes the M1114 Turret Ring and Hatch, Objective Gunner Protection Kit (OGPK), Improved Turret Drive System (ITDS), and the Common Remotely Operated Weapon Station (CROWS) systems. The M1114 will apply to all HGC JLTV configurations, while OGPK, ITDS or CROWS applies to their respective HGC configurations.

Field Service Representative (FSR) Support: OEM and/or contractor FSR support is required to provide de-processing (acceptance inspections) and Operator and Maintainer Training when the vehicles are delivered to the user locations. FSRs will may install any Mission Specific Equipment and additional overhead GFE as required by the user.

Work Directives: Studies and engineering tasks are performed by the Army Joint Program Office or OEM engineers to ensure compatibility and operability on any new AF specific requirements that will be added to the JLTV based on user requirements. Work Directives will also be required for any repairs prior to JPO long term repair and maintenance contracts are awarded.

Some vehicles and items in this exhibit are procured with European Defense Initiative funding.

This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

In accordance with Section 1815 of the FY 2008 National Defense Authorization (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: 0207588F, 0208047F, 0804731F, 0502831F, 0507831F, 0702831F

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	186	152	210	0	210	-	-	-	-
	Total Obligation Authority	107.184	85.814	56.318	0.000	56.318	-	-	-	-
AFNG	Quantity	3	2	3	0	3	-	-	-	-
	Total Obligation Authority	1.643	1.556	1.223	0.000	1.223	-	-	-	-
AFR	Quantity	2	1	1	0	1	-	-	-	-
	Total Obligation Authority	1.597	0.357	0.239	0.000	0.239	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>191</b>	<b>155</b>	<b>214</b>	<b>0</b>	<b>214</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>110.424</b>	<b>87.727</b>	<b>57.780</b>	<b>0.000</b>	<b>57.780</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 823210 / Joint Light Tactical Vehicle

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Joint Light Tactical Vehicle				- / -	- / 110.424	- / 87.727	- / 57.780	- / -	- / 57.780
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 110.424	- / 87.727	- / 57.780	- / -	- / 57.780

\*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. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 57.780M will procure, but not be limited to, 214 vehicles in support of installation and unit mission requirements for Air Force personnel.

FY24 funding decreased 13M due to AFCENT drawdown and a reduction of 24 vehicles.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

Unit Cost is subject to change from year-to-year based on buy quantities and user expansion kit requirements provided by each user community based on mission requirements. Unit cost is also subject to change based on fluctuations in contract pricing. Unit cost is provided by the Joint Program Office at TACOM (Army).

Funding for this exhibit contained in PEs: 027588F, 028047F, 084731F, 052831F, 057831F, 072831F.

The FY2024 budget request includes 39,543 thousand for the European Deterrence Initiative (PE 0702831F).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3						P-1 Line Item Number / Title: 823210 / Joint Light Tactical Vehicle						Aggregated Items Title: Joint Light Tactical Vehicle								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
Common Remotely Operating Weapon System (CROWS)	A		-	-	-	-	-	10.780	-	-	9.310	0.397	4	1.588	-	-	-	0.397	4	1.588
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	10.780	-	-	9.310		4	1.588	-	-	-		4	1.588
PMA: CONTRACTOR SERVICES	A		-	-	-	-	-	0.775	-	-	0.756	-	-	0.850	-	-	-	-	-	0.850
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.775	-	-	0.756	-	-	0.850	-	-	-	-	-	0.850
M1114 TURRENT RING	A		-	-	-	-	-	2.246	-	-	1.329	0.019	17	0.328	-	-	-	0.019	17	0.328
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	2.221	-	-	1.329		17	0.328	-	-	-		17	0.328
AFR			-	-	-	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
TOMA SUPPORT (Tech Orders)	A		-	-	-	-	-	0.019	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.019	-	-	0.025	-	-	0.025	-	-	-	-	-	0.025
Overhead Gunners Protection Kit (OGPK)	A		-	-	-	-	-	3.792	-	-	1.665	0.023	7	0.160	-	-	-	0.023	7	0.160
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	3.492	-	-	1.665		7	0.160	-	-	-		7	0.160
AFR			-	-	-	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-
FIELD SERVICE REPRESENTATIVE SUPPORT (FSR)	A		-	-	-	-	-	6.027	-	-	1.078	-	-	2.254	-	-	-	-	-	2.254
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	5.601	-	-	1.078	-	-	2.186	-	-	-	-	-	2.186
AFNG			-	-	-	-	-	0.213	-	-	-	-	-	0.047	-	-	-	-	-	0.047
AFR			-	-	-	-	-	0.213	-	-	-	-	-	0.021	-	-	-	-	-	0.021
CONTRACTOR FURNISHED EQUIPMENT (CFE)	A		-	-	-	-	-	13.249	-	-	7.933	0.070	17	1.190	-	-	-	0.070	17	1.190
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	12.549	-	-	7.390		17	1.190	-	-	-		17	1.190
AFNG			-	-	-	-	-	0.350	-	-	0.475	-	-	-	-	-	-	-	-	-
AFR			-	-	-	-	-	0.350	-	-	0.068	-	-	-	-	-	-	-	-	-
WORK DIRECTIVES	A		-	-	-	-	-	0.500	-	-	1.400	-	-	0.458	-	-	-	-	-	0.458
<i>Secondary Distribution</i>																				

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823210 / Joint Light Tactical Vehicle **Aggregated Items Title:** Joint Light Tactical Vehicle

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-	-	1.400		-	-	-	0.400		-	-		-	0.400
AFNG				-	-		-	-	-		-	-	-	0.023		-	-		-	0.023
AFR				-	-		-	-	-		-	-	-	0.035		-	-		-	0.035
JLTV TRAILER	A		-	-	-	0.053	15	0.795	0.057	14	0.792	0.059	39	2.301		-	-	0.059	39	2.301
<i>Secondary Distribution</i>																				
AF				-	-		15	0.795		14	0.792		39	2.301		-	-		39	2.301
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.042	-	-	0.021	-	-	0.012		-	-		-	0.012
<i>Secondary Distribution</i>																				
AF				-	-		-	0.042		-	0.021		-	0.012		-	-		-	0.012
JLTV, HEAVY GUNS CARRIER (HGC)	A		-	-	-	0.324	136	44.040	0.416	118	49.046	0.424	80	33.920		-	-	0.424	80	33.920
<i>Secondary Distribution</i>																				
AF				-	-		135	43.740		116	48.372		80	33.920		-	-		80	33.920
AFNG				-	-		-	-		2	0.674		-	-		-	-		-	-
AFR				-	-		1	0.300		-	-		-	-		-	-		-	-
GOVERNMENT FURNISHED EQUIPMENT (GFE) KITS	A		-	-	-	-	-	12.385	-	-	7.797	0.069	15	1.041		-	-	0.069	15	1.041
<i>Secondary Distribution</i>																				
AF				-	-		-	12.056		-	7.390		15	1.041		-	-		15	1.041
AFNG				-	-		-	0.219		-	0.407		-	-		-	-		-	-
AFR				-	-		-	0.110		-	0.000		-	-		-	-		-	-
JLTV, UTILITY (UT)	A		-	-	-	0.281	26	7.306	0.276	6	1.657	0.787	12	9.444		-	-	0.787	12	9.444
<i>Secondary Distribution</i>																				
AF				-	-		24	6.744		6	1.657		11	8.657		-	-		11	8.657
AFNG				-	-		2	0.562		-	-		1	0.787		-	-		1	0.787
JLTV, GENERAL PURPOSE (GP) W	A		-	-	-	0.605	14	8.468	0.289	17	4.918	0.183	23	4.209		-	-	0.183	23	4.209
<i>Secondary Distribution</i>																				
AF				-	-		12	7.870		16	4.629		20	3.660		-	-		20	3.660
AFNG				-	-		1	0.299		-	-		2	0.366		-	-		2	0.366
AFR				-	-		1	0.299		1	0.289		1	0.183		-	-		1	0.183
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>110.424</b>	-	-	<b>87.727</b>	-	-	<b>57.780</b>	-	-	-	-	-	<b>57.780</b>
<b>Total</b>			-	-	-	-	-	<b>110.424</b>	-	-	<b>87.727</b>	-	-	<b>57.780</b>	-	-	-	-	-	<b>57.780</b>

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

Remarks:

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 3	<b>P-1 Line Item Number / Title:</b> 823210 / Joint Light Tactical Vehicle	<b>Aggregated Items Title:</b> Joint Light Tactical Vehicle

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE AND PROVIDED BY JPO.

PMA OTHER CONTRACTOR SERVICES: This funding includes provisions for government contract oversight, technical expertise, and program office support associated with the JLTV program.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	6.088	0.382	0.390	-	0.390	0.438	0.448	0.464	0.474	-	8.684
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	6.088	0.382	0.390	-	0.390	0.438	0.448	0.464	0.474	-	8.684
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>6.088</b>	<b>0.382</b>	<b>0.390</b>	-	<b>0.390</b>	<b>0.438</b>	<b>0.448</b>	<b>0.464</b>	<b>0.474</b>	-	<b>8.684</b>

*(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:**

Funding provides for a variety of security and tactical vehicles essential to strategic military operations. This program previously procured the standard diesel powered High Mobility Multi-purpose Wheeled Vehicle (HMMWV) and all configurations used by the Air Force, Guardian Angel Air-Deployable Rescue Vehicle (GAARV), and cargo trailers. Services are no longer procuring HMMWVs as they are being replaced with the Joint Light Tactical Vehicle (BPAC 823210). Instead funding will be used to procure next generation security and tactical vehicles to include the fielding of the Joint All-weather All-Terrain Support Vehicles (JAASV) and Commercial Armored Tactical Vehicle (CATV).

M1101 and M1102 light tactical trailers: The M1101 and M1102 are a single axle, two wheel trailer designed to be towed by a HMMWV. 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.

Joint All-weather All-Terrain Support Vehicles (JAASV) operates in "otherwise impassable terrain such as marshy conditions, deep snow, lakes, rivers, frozen ice and extreme cold weather as low as minus 50 degrees Fahrenheit. As a tracked, amphibious platform, it will have a light footprint and be transportable by a CH-47, UH-60 or C-130.

Commercial Armored Tactical Vehicle (CATV) is an armored vehicle on a ruggedized off-road platform which allows for customized seating and equipment storage options with a heavy duty upgraded suspension. The increased ground clearance and robust suspension allows for emergency response in rural regions and natural disaster scenarios. The rotating roof hatch and optional Gunner Protection Kit can accommodate weapons mounts for an M249, Mk19, M2 .50 Cal and additional weapons as necessary. The primary user is Global Strike Command.

Guardian Angel Air-Deployable Rescue Vehicle: The Guardian Angel Air-Deployable Rescue Vehicle (GAARV) 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, but is not limited to procurement of end items, training, upgrades, spares, Interim Contractor Support (ICS), repairs, deployment packages and returns. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity. Due to rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current slated and emerging requirements. On 7 July 2017, ACC/A5/8R terminated the HDT Storm solution to the GAARV requirement. A new solution to the requirement will be developed if/when the GAARV requirement is revalidated. Subsequent funding will fund contract termination and Program Management Administration until a follow-on requirement is identified. Funding for GAARV is in Program Element 0207227F.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles		<b>P-1 Line Item Number / Title:</b> 823230 / Security And Tactical Vehicles
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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 0207227F, 0502831F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	6	0	2	0	2	-	-	-	-
	Total Obligation Authority	0.381	0.268	0.366	0.000	0.366	-	-	-	-
AFNG	Quantity	36	4	1	0	1	-	-	-	-
	Total Obligation Authority	5.707	0.114	0.024	0.000	0.024	-	-	-	-
AFR	Quantity	0	0	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	0.000	0.000	0.000	0.000	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>42</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>3</b>	-	-	-	-
	<b>Total Obligation Authority</b>	<b>6.088</b>	<b>0.382</b>	<b>0.390</b>	<b>0.000</b>	<b>0.390</b>	-	-	-	-

**Justification:**

FY24 procurement dollars in the amount of 0.390M will procure, but not be limited to, 3 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Special Purpose Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	70.477	53.603	79.023	-	79.023	97.757	73.450	69.097	70.561	-	513.968
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	70.477	53.603	79.023	-	79.023	97.757	73.450	69.097	70.561	-	513.968
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>70.477</b>	<b>53.603</b>	<b>79.023</b>	-	<b>79.023</b>	<b>97.757</b>	<b>73.450</b>	<b>69.097</b>	<b>70.561</b>	-	<b>513.968</b>

*(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 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, 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, disabled patient vehicles, high lift trucks, specialized trailers, fuel trailers, digger derrick trucks, liquid/nitrogen trucks/trailers 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 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 all military aircraft. 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.

Some vehicles in this exhibit are procured with European Defense Initiative funding.

This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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 027597F, 052831F, 057831F, 072831F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF									
Quantity	384	219	351	0	351	-	-	-	-
Total Obligation Authority	64.066	47.720	73.002	0.000	73.002	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Special Purpose Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AFNG	Quantity	43	29	25	0	25	-	-	-	-
	Total Obligation Authority	4.993	4.120	4.227	0.000	4.227	-	-	-	-
AFR	Quantity	15	10	6	0	6	-	-	-	-
	Total Obligation Authority	1.418	1.763	1.794	0.000	1.794	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>442</b>	<b>258</b>	<b>382</b>	<b>0</b>	<b>382</b>	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>70.477</b>	<b>53.603</b>	<b>79.023</b>	<b>0.000</b>	<b>79.023</b>	-	-	-	-



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Special Purpose Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Special Purpose Vehicles				- / -	- / 70.477	- / 53.603	- / 79.023	- / -	- / 79.023
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 70.477</b>	<b>- / 53.603</b>	<b>- / 79.023</b>	<b>- / -</b>	<b>- / 79.023</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 79M will procure, but not be limited to, 382 vehicles in support of installation and unit mission requirements for Air Force personnel.

16.5M of the FY24 procurement dollars provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures Aircraft Tow Trucks, R-11 6000 Gallon Trucks, Bobtails, and telescoping floodlights needed to perform Airfield Damage Repair. This funding is in direct support of DAF's Operational Imperative #5 to deliver resilient forward airbases necessary to make Agile Combat Employment (ACE) effective.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

Unit cost increased from previous year data to FY22 on some vehicles due to adding in the 1st Destination Transportation cost (MORDs) which was not being accounted for in the past. Awarded new contracts over the past year for several vehicles where the old contract had expired.

Pacific Deterrence Initiative (PDI) Increase between FY23 \$0 and FY24 \$72,396 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures Aircraft Tow Trucks, R-11 6000 Gallon Trucks, Bobtails, and telescoping floodlights needed to perform Airfield Damage Repair.

**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3						P-1 Line Item Number / Title: 823990 / Special Purpose Vehicles						Aggregated Items Title: Special Purpose Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
UKRAINE EFFORT SUPPLEMENTAL	A		-	-	-	-	-	-	3.980	1	3.980	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		1	3.980	-	-	-	-	-	-	-	-	
Pacific Resilient Distributed Air Basing	A		-	-	-	-	-	-	-	-	-	16.480	1	16.480	-	-	-	16.480	1	16.480
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	1	16.480	-	-	-	-	-	1	16.480
DEICERS EXTENDED REACH	A		-	-	-	-	-	-	0.731	4	2.924	0.731	3	2.193	-	-	-	0.731	3	2.193
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		4	2.924		3	2.193	-	-	-		3	2.193
DEICERS TRUCK MOUNTED	A		-	-	-	-	-	-	0.490	8	3.921	0.490	12	5.881	-	-	-	0.490	12	5.881
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		6	2.941		10	4.901	-	-	-		10	4.901
AFNG			-	-	-	-	-	-		2	0.980		2	0.980	-	-	-		2	0.980
TRUCK FUEL AVGAS	A		-	-	-	-	-	-	0.179	3	0.538	0.179	1	0.179	-	-	-	0.179	1	0.179
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		3	0.538		1	0.179	-	-	-		1	0.179
TRUCK REFUELERS	A		-	-	-	-	-	-	0.263	16	4.211	0.263	39	10.263	-	-	-	0.263	39	10.263
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		11	2.895		39	10.263	-	-	-		39	10.263
AFNG			-	-	-	-	-	-		1	0.263		-	-	-	-	-		-	-
AFR			-	-	-	-	-	-		4	1.053		-	-	-	-	-		-	-
TRUCK REFUELER LARGE CAPACITY	A		-	-	-	-	-	-	0.772	2	1.544	0.772	2	1.544	-	-	-	0.772	2	1.544
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		2	1.544		2	1.544	-	-	-		2	1.544
TOW TRACTORS LARGE	A		-	-	-	-	-	-	0.130	19	2.471	0.130	9	1.170	-	-	-	0.130	9	1.170
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		13	1.691		9	1.170	-	-	-		9	1.170
AFNG			-	-	-	-	-	-		2	0.260		-	-	-	-	-		-	-
AFR			-	-	-	-	-	-		4	0.520		-	-	-	-	-		-	-
TOW TRACTORS SMALL	A		-	-	-	-	-	-	0.074	64	4.708	0.074	97	7.138	-	-	-	0.074	97	7.138
<i>Secondary Distribution</i>																				

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-		59	4.340		91	6.694		-	-		91	6.694	
AFNG				-	-		-		5	0.368		6	0.444		-	-		6	0.444	
TOW TRACTORS U-30	A		-	-	-	-	-	0.389	5	1.945	0.389	5	1.945	-	-	-	0.389	5	1.945	
<i>Secondary Distribution</i>																				
AF				-	-		-		5	1.945		5	1.945		-	-		5	1.945	
TRUCK DIGGER DERRICKS	A		-	-	-	-	-	0.312	8	2.494	0.311	4	1.246	-	-	-	0.312	4	1.246	
<i>Secondary Distribution</i>																				
AF				-	-		-		7	2.182		2	0.623		-	-		2	0.623	
AFNG				-	-		-		1	0.312		2	0.623		-	-		2	0.623	
TRUCK HIGH REACH	A		-	-	-	-	-	0.230	9	2.067	0.230	10	2.296	-	-	-	0.230	10	2.296	
<i>Secondary Distribution</i>																				
AF				-	-		-		9	2.067		10	2.296		-	-		10	2.296	
TRUCK HI-REACH MAINTENANCE PLATFORM	A		-	-	-	-	-	0.663	6	3.976	0.663	3	1.989	-	-	-	0.663	3	1.989	
<i>Secondary Distribution</i>																				
AF				-	-		-		6	3.976		2	1.326		-	-		2	1.326	
AFR				-	-		-		-	-		1	0.663		-	-		1	0.663	
TRUCK LAVATORY SERVICE	A		-	-	-	-	-	0.358	11	3.940	0.358	4	1.433	-	-	-	0.358	4	1.433	
<i>Secondary Distribution</i>																				
AF				-	-		-		9	3.224		4	1.433		-	-		4	1.433	
AFNG				-	-		-		2	0.716		-	-		-	-		-	-	
TRUCK SPECIALIZED LARGE	A		-	-	-	-	-	0.318	10	3.181	0.317	1	0.317	-	-	-	0.317	1	0.317	
<i>Secondary Distribution</i>																				
AF				-	-		-		10	3.181		1	0.317		-	-		1	0.317	
TRUCK SPECIALIZED SMALL	A		-	-	-	-	-	0.071	7	0.494	0.071	8	0.565	-	-	-	0.071	8	0.565	
<i>Secondary Distribution</i>																				
AF				-	-		-		6	0.423		8	0.565		-	-		8	0.565	
AFNG				-	-		-		1	0.071		-	-		-	-		-	-	
TRUCK MAINTENANCE LARGE	A		-	-	-	-	-	0.154	12	1.844	0.155	3	0.465	-	-	-	0.155	3	0.465	
<i>Secondary Distribution</i>																				
AF				-	-		-		11	1.690		3	0.465		-	-		3	0.465	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFNG				-	-		-	-	1	0.154		-	-		-	-		-	-	
TRUCK MAINTENANCE SMALL	A		-	-	-	-	-	-	0.046	40	1.858	0.046	47	2.181	-	-	-	0.046	47	2.181
<i>Secondary Distribution</i>																				
AF				-	-		-	-	28	1.301		41	1.905		-	-		41	1.905	
AFNG				-	-		-	-	11	0.511		6	0.276		-	-		6	0.276	
AFR				-	-		-	-	1	0.046		-	-		-	-		-	-	
TRUCK STAIRCASE	A		-	-	-	-	-	-	0.208	4	0.833	0.208	5	1.040	-	-	-	0.208	5	1.040
<i>Secondary Distribution</i>																				
AF				-	-		-	-	4	0.833		5	1.040		-	-		5	1.040	
TRUCK TANK FUELS 1200GAL	A		-	-	-	-	-	-	0.144	7	1.007	0.246	59	14.502	-	-	-	0.246	59	14.502
<i>Secondary Distribution</i>																				
AF				-	-		-	-	6	0.863		48	11.798		-	-		48	11.798	
AFNG				-	-		-	-	-	-		7	1.721		-	-		7	1.721	
AFR				-	-		-	-	1	0.144		4	0.983		-	-		4	0.983	
TRUCK TANK FUELS 250GAL	A		-	-	-	-	-	-	0.099	4	0.395	0.099	10	0.990	-	-	-	0.099	10	0.990
<i>Secondary Distribution</i>																				
AF				-	-		-	-	4	0.395		10	0.990		-	-		10	0.990	
TRUCK WRECKERS	A		-	-	-	-	-	-	0.169	10	1.686	0.169	7	1.181	-	-	-	0.169	7	1.181
<i>Secondary Distribution</i>																				
AF				-	-		-	-	8	1.349		6	1.012		-	-		6	1.012	
AFNG				-	-		-	-	2	0.337		1	0.169		-	-		1	0.169	
TRAILER CABLE REEL LARGE	A		-	-	-	-	-	-	0.148	2	0.296	0.148	6	0.888	-	-	-	0.148	6	0.888
<i>Secondary Distribution</i>																				
AF				-	-		-	-	1	0.148		5	0.740		-	-		5	0.740	
AFNG				-	-		-	-	1	0.148		-	-		-	-		-	-	
AFR				-	-		-	-	-	-		1	0.148		-	-		1	0.148	
TRAILER CABLE REEL SMALL	A		-	-	-	-	-	-	0.015	4	0.058	0.014	16	0.230	-	-	-	0.014	16	0.230
<i>Secondary Distribution</i>																				
AF				-	-		-	-	4	0.058		15	0.216		-	-		15	0.216	
AFNG				-	-		-	-	-	-		1	0.014		-	-		1	0.014	
TRAILER COMPRESSED GAS	A		-	-	-	-	-	-	0.229	1	0.229	0.229	8	1.831	-	-	-	0.229	8	1.831
<i>Secondary Distribution</i>																				

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-	-		1	0.229		8	1.831		-	-		8	1.831
TRAILER FUEL SERVICING	A		-	-	-	-	-	-	0.036	1	0.036	0.037	15	0.555	-	-	-	0.037	15	0.555
<i>Secondary Distribution</i>																				
AF				-	-		-	-		1	0.036		15	0.555		-	-		15	0.555
VC-25B (PE: 0401319F)	A		-	-	-	-	-	-	-	-	2.946	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	2.946		-	-		-	-		-	-
TRK FUEL AVGAS 3K 2320015971728	A		-	-	-	0.164	3	0.491	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.491		-	0.000		-	-		-	-		-	-
TLR CBL REEL W/POLE 2330016573338	A		-	-	-	0.015	4	0.060	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.045		-	0.000		-	-		-	-		-	-
AFR				-	-		1	0.015		-	0.000		-	-		-	-		-	-
TRK WKR 44M&49999G (2320-1-130-6353)	A		-	-	-	0.274	3	0.821	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.821		-	0.000		-	-		-	-		-	-
HDPLP TRUCK (2320-01-528-8238)	A		-	-	-	0.350	3	1.050	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	1.050		-	0.000		-	-		-	-		-	-
EOD VEHICLE (2320-01-500-9249)	A		-	-	-	0.400	1	0.400	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.400		-	0.000		-	-		-	-		-	-
TRK HI REA 100FT / OVER (2320-00-486-9951)	A		-	-	-	0.459	1	0.459	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.459		-	0.000		-	-		-	-		-	-
TRK HI LIFT FD-SRVG-ACFT (2320-01-305-6339)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-	0.000		-	0.000		-	-		-	-		-	-
TLR CBL REEL 10T & OVER (2330-00-420-7079)	A		-	-	-	0.142	2	0.285	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	-		-	-		-	-		-	-
AFNG				-	-		2	0.285		-	-		-	-		-	-		-	-
TRK TELE MAINT CNTRN 4X4 (2320-01-372-7398)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	-		-	-		-	-		-	-
TRK REF CMPTR R-HP (2320-00-833-7514)	A		-	-	-	0.125	1	0.125	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.125		-	0.000		-	-		-	-		-	-
TRK TEL DIGGER DERRICK (2320-00-455-8464)	A		-	-	-	0.308	3	0.924	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		2	0.616		-	0.000		-	-		-	-		-	-
AFNG				-	-		1	0.308		-	-		-	-		-	-		-	-
TRAC ACFT TWG MB-2 CL II (1740-01-552-9854YW)	A		-	-	-	0.158	5	0.790	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		5	0.790		-	0.000		-	-		-	-		-	-
HI-REACH TRK 55 FT 4X4 (2320-01-544-3637YW)	A		-	-	-	0.253	1	0.253	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.253		-	0.000		-	-		-	-		-	-
TRK TK A/ S32A-24 250 GAL (2320-00-089-8979)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	-
TRK HI REA 30&59FT (2320-00-995-5610YW)	A		-	-	-	0.217	3	0.651	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.651		-	0.000		-	-		-	-		-	-

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
HI REACH MAINT PLATFORM (2320-01-249-0097YW)	A		-	-	-	0.684	3	2.052	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	1.368		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.684		-	0.000		-	-		-	-		-	
TRK WKR HYD TYP1 32000GVW (2320-01-303-3010)	A		-	-	-	0.153	4	0.611	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.458		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.153		-	-		-	-		-	-		-	
TRK MAINT TP UTIL 10000G (2320-01-343-7375)	A		-	-	-	0.037	8	0.297	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		7	0.260		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.037		-	-		-	-		-	-		-	
TRK, WRECKER TILT-BED (2320-01-380-4755)	A		-	-	-	0.108	2	0.216	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.216		-	0.000		-	-		-	-		-	
TRK MOBILE X-RAY (2320-01-563-7052)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
MOBILE MAINTENANCE TRUCK W/CRANE (2320-01-644-1450)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRLR FUEL SRVG 600 GAL (2330-00-289-8934)	A		-	-	-	0.036	4	0.144	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.108		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.036		-	-		-	-		-	-		-	
TRK MAINT EXT CAB 4X4 (2320-01-513-8386)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 3	<b>P-1 Line Item Number / Title:</b> 823990 / Special Purpose Vehicles	<b>Aggregated Items Title:</b> Special Purpose Vehicles
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRK TANK FUEL R-11 HMS (2320-01-626-1177YW)	A		-	-	-	0.265	19	5.044	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		15	3.982		-	0.000		-	-		-	-		-	
AFNG				-	-		4	1.062		-	-		-	-		-	-		-	
TRAC ACFT TWG MB-4 (1740-00-580-7990YW)	A		-	-	-	0.121	30	3.631	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		26	3.146		-	0.000		-	-		-	-		-	
AFNG				-	-		3	0.364		-	-		-	-		-	-		-	
AFR				-	-		1	0.121		-	-		-	-		-	-		-	
TOW TRACTOR, MB-2 (1740-00-143-8464YW)	A		-	-	-	0.148	13	1.925	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		9	1.333		-	0.000		-	-		-	-		-	
AFNG				-	-		2	0.296		-	-		-	-		-	-		-	
AFR				-	-		2	0.296		-	-		-	-		-	-		-	
FLIGHT LINE TOW TRACTOR, 4X2 (1740-01-068-8945YW)	A		-	-	-	0.069	121	8.351	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		109	7.521		-	0.000		-	-		-	-		-	
AFNG				-	-		7	0.484		-	-		-	-		-	-		-	
AFR				-	-		5	0.346		-	-		-	-		-	-		-	
TRUCK, MAINTENANCE 3/4T 4X4 (2320-00-541-1714)	A		-	-	-	0.038	17	0.642	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		8	0.304		-	0.000		-	-		-	-		-	
AFNG				-	-		7	0.263		-	-		-	-		-	-		-	
AFR				-	-		2	0.075		-	-		-	-		-	-		-	
TRUCK, TELEPHONE MAINT STD UTIL 4x2 (2320-00-801-9193)	A		-	-	-	0.033	28	0.922	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		21	0.693		-	0.000		-	-		-	-		-	
AFNG				-	-		6	0.196		-	-		-	-		-	-		-	



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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFR				-	-		1	0.033		-	-		-	-		-	-		-	-
SEMI-TRL 8000 GAL FUEL TANK (2330-00-844-1684)	A		-	-	-		-	-		-	0.000		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	-
TRK TANK 1200G 4X2 (2320-00-177-6777)	A		-	-	-	0.138	12	1.656		-	0.000		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		10	1.380		-	0.000		-	-		-	-		-	-
AFR				-	-		2	0.276		-	0.000		-	-		-	-		-	-
TRK TANK 1200G 4X4 (2320-00-177-6778)	A		-	-	-	0.159	7	1.113		-	-		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		7	1.113		-	0.000		-	-		-	-		-	-
TRK HI-LIFT 9TON (2320-00-540-3991)	A		-	-	-	-	-	0.000		-	0.000		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	-
TRK MAINT TEL 4DR (2320-00-451-2184)	A		-	-	-	0.038	9	0.342		-	-		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		5	0.190		-	0.000		-	-		-	-		-	-
AFNG				-	-		4	0.152		-	0.000		-	-		-	-		-	-
LARGE CAPACITY REFUELER VEHICLE (LCRV) (2320-01-592-4114YW)	A		-	-	-	0.715	1	0.715		-	0.000		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		1	0.715		-	0.000		-	-		-	-		-	-
TRK TNK FUEL 6000GAL R-11 (2320-00-433-5695)	A		-	-	-	0.256	58	14.848		-	-		-	-		-	-		-	-
<i>Secondary Distribution</i>																				
AF				-	-		55	14.080		-	0.000		-	-		-	-		-	-
AFNG				-	-		2	0.512		-	-		-	-		-	-		-	-
AFR				-	-		1	0.256		-	-		-	-		-	-		-	-
TRUCK, EXTENDED REACH DEICER (1730-01-495-5449YW)	A		-	-	-	0.740	2	1.480		-	-		-	-		-	-		-	-

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823990 / Special Purpose Vehicles **Aggregated Items Title:** Special Purpose Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-		2	1.480		-	0.000		-	-		-	-		-	
TRK MNT DIGGER DERRICK (2320-01-397-7528)	A		-	-	-	0.179	1	0.179	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.179		-	-		-	-		-	-		-	
CONTRACT MAINTENANCE TRUCK (2320-01-590-4213YW)	A		-	-	-	0.146	5	0.732	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.732		-	0.000		-	-		-	-		-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.023	-	-	0.021	-	-	0.005	-	-	-	-	0.005	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.023		-	0.021		-	0.005		-	-		0.005	
PMA CONTRACTOR SERVICES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STAIRCASE TRK (1730-01-601-8086YW)	A		-	-	-	0.161	7	1.127	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		6	0.966		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.161		-	-		-	-		-	-		-	
LAVATORY SERVICE TRK (1730-00-981-7605YW)	A		-	-	-	0.253	4	1.012	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	1.012		-	0.000		-	-		-	-		-	
AFNG				-	-		-	0.000		-	0.000		-	-		-	-		-	
TRAC ACFT TOW (1740-01-367-9485YW)	A		-	-	-	0.438	15	6.570	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		15	6.570		-	0.000		-	-		-	-		-	
TRK REFRGR 4X2 (2320-00-770-4467)	A		-	-	-	0.129	4	0.516	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.516		-	0.000		-	-		-	-		-	
TRK HYDRANT FUEL (2320-01-125-2481)	A		-	-	-	0.372	16	5.952	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 3	<b>P-1 Line Item Number / Title:</b> 823990 / Special Purpose Vehicles	<b>Aggregated Items Title:</b> Special Purpose Vehicles
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		16	5.952		-	-		-	-		-	-		-	-
FLTT, 4X4	A		-	-	-	0.075	16	1.200	-	-	-	0.074	7	0.516	-	-	-	0.074	7	0.516
<i>Secondary Distribution</i>																				
AF				-	-		16	1.200		-	0.000		7	0.516		-	-		7	0.516
DEICER TRK MOUNTED (1730-00-555-6205YW)	A		-	-	-	0.478	6	2.868	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		6	2.868		-	0.000		-	-		-	-		-	-
AFR				-	-		-	-		-	0.000		-	-		-	-		-	-
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>70.477</b>	-	-	<b>53.603</b>	-	-	<b>79.023</b>	-	-	-	-	-	<b>79.023</b>
<b>Total</b>			-	-	-	-	-	<b>70.477</b>	-	-	<b>53.603</b>	-	-	<b>79.023</b>	-	-	-	-	-	<b>79.023</b>

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

**Remarks:**

The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER CONTRACTOR SERVICES: This funding includes provisions for government contract oversight, technical expertise, and program office support for contracts on all aircraft tow vehicles, refuelers, staircase trucks, and deicers.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment	<b>P-1 Line Item Number / Title:</b> 824010 / Fire Fighting/Crash Rescue Vehicles
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0202834F, 0901279F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	14.325	11.231	70.252	-	70.252	57.197	58.526	60.712	61.999	-	334.242
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	14.325	11.231	70.252	-	70.252	57.197	58.526	60.712	61.999	-	334.242
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>14.325</b>	<b>11.231</b>	<b>70.252</b>	-	<b>70.252</b>	<b>57.197</b>	<b>58.526</b>	<b>60.712</b>	<b>61.999</b>	-	<b>334.242</b>

*(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:**

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 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.
- 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.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 4: Fire Fighting Equipment		<b>P-1 Line Item Number / Title:</b> 824010 / Fire Fighting/Crash Rescue Vehicles
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0202834F, 0901279F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<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 ARFF truck. The truck has a 400 gallon water tank and a 50 gallon foam tank along with a bumper turret and 200 feet of hand line 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>Some vehicles in this exhibit are procured with European Defense Initiative funding.</p> <p>"This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.</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>Funding for this exhibit contained in PE 0702831F, 0901279F.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** 0202834F, 0901279F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Fire Fighting/Crash Rescue Vehicles				- / -	- / 14.325	- / 11.231	- / 70.252	- / -	- / 70.252
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 14.325</b>	<b>- / 11.231</b>	<b>- / 70.252</b>	<b>- / -</b>	<b>- / 70.252</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 70.252M will procure, but not be limited to, 94 vehicles in support of installation and unit mission requirements for Air Force personnel.

Funding includes 13.4 M supporting PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures P-19 Aircraft Rescue and Fire Fighting Vehicles. This funding is in direct support of DAF's Operational Imperative #5 to deliver resilient forward airbases necessary to make Agile Combat Employment (ACE) effective.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, export engine (non-Ultra Low Sulfur Diesel), Winterization packages, Tire Chains, Pump (Side or Top), Hose bed (Crosslay or Deadlay), Altitude, Platform Height, Extended Bumper, Air Foam, Cascade Air, and Turret.

Pacific Deterrence Initiative (PDI) Increase between FY23 \$0 and FY24 \$13,260 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures P-19 Aircraft Rescue and Fire Fighting (ARFF) vehicles.

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
Pacific Resilient Distributed Air Basing	A		-	-	-	-	-	-	-	-	-	13.426	1	13.426	-	-	-	13.426	1	13.426
FFGT CRASH RESCUE ULTRA HIGH PRESSURE	A		-	-	-	-	-	-	0.711	5	3.557	0.711	36	25.610	-	-	-	0.711	36	25.610
FFGT CRASH RESCUE HIGH REACH EXTENDABLE TURRET	A		-	-	-	-	-	-	0.846	1	0.846	0.846	10	8.457	-	-	-	0.846	10	8.457
FFGT QUINT	A		-	-	-	-	-	-	0.799	1	0.799	0.799	5	3.997	-	-	-	0.799	5	3.997
FFGT RAPID INTERVENTION VEHICLE	A		-	-	-	-	-	-	0.376	1	0.376	0.375	8	3.003	-	-	-	0.375	8	3.003
FFGT HAZARDOUS MATERIAL	A		-	-	-	-	-	-	0.478	1	0.478	0.478	4	1.912	-	-	-	0.478	4	1.912
FFGT HIGH REACH (AERIALS)	A		-	-	-	-	-	-	-	-	-	0.955	6	5.732	-	-	-	0.955	6	5.732
FFGT MEDIUM RESCUE	A		-	-	-	-	-	-	0.315	4	1.260	0.315	2	0.630	-	-	-	0.315	2	0.630
FFGT PUMPERS	A		-	-	-	-	-	-	0.544	3	1.633	0.544	8	4.356	-	-	-	0.545	8	4.356
FFGT WATER TANKERS	A		-	-	-	-	-	-	0.394	3	1.182	0.394	7	2.757	-	-	-	0.394	7	2.757
FFGT WILDLAND	A		-	-	-	-	-	-	0.365	3	1.094	0.365	1	0.365	-	-	-	0.365	1	0.365
TRUCK, AERIAL P-21 4210-01-057-0696	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRK FFGT 1000G ARFF P-19C AIR TRANSPORTABLE (4210-01-671-4966)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
TRUCK, PUMPER 4X2 P-22 4210-00-224-4564	A		-	-	-	0.598	3	1.794	-	-	0.000	-	-	-	-	-	-	-	-	-
TRUCK, PUMPER 4X4 P-24 4210-00-233-1538	A		-	-	-	0.599	3	1.797	-	-	0.000	-	-	-	-	-	-	-	-	-
TRK FIRE CRS STRIKER 4210-00-702-6801	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUCK, WATER TANKER P-26 4210-01-356-4907	A		-	-	-	0.446	2	0.892	-	-	0.000	-	-	-	-	-	-	-	-	-
VEHICLE, MEDIUM RESCUE P-30 4210-01-452-5121	A		-	-	-	0.398	4	1.592	-	-	0.000	-	-	-	-	-	-	-	-	-



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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRUCK, QUINT P-33 4210-01-500-1083	A		-	-	-	0.661	2	1.322	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, WILDLAND P-29 4210-01-483-1025	A		-	-	-	0.464	1	0.464	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, QUICK ATTACK P-34 4210-01-553-4534	A		-	-	-	0.352	1	0.352	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, HAZMAT FIRE FIGHTING P31 4210-01-396-5219	A		-	-	-	0.533	2	1.066	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, ARFF P19UHP 4210-01-608-7285	A		-	-	-	0.733	1	0.733	-	-	0.000	-	-	-	-	-	-	-	-	
TRK FIRE P23 4210-01-625-9765	A		-	-	-	0.949	1	0.949	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, ARFF P23UHP 4210-01-608-7287	A		-	-	-	0.896	2	1.792	-	-	0.000	-	-	-	-	-	-	-	-	
TRUCK, HAZMAT FIRE FIGHTING 4X4 4210-01-497-6245	A		-	-	-	0.778	2	1.556	-	-	0.000	-	-	-	-	-	-	-	-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.016	-	-	0.006	0.001	7	0.007	-	-	-	0.001	7	0.007
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>14.325</b>	-	-	<b>11.231</b>	-	-	<b>70.252</b>	-	-	-	-	-	<b>70.252</b>
<b>Total</b>			-	-	-	-	-	<b>14.325</b>	-	-	<b>11.231</b>	-	-	<b>70.252</b>	-	-	-	-	-	<b>70.252</b>

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

**Remarks:**

The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 5: Materials Handling Equipment	<b>P-1 Line Item Number / Title:</b> 825990 / Materials Handling Vehicles
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	29.653	27.846	73.805	-	73.805	21.435	22.475	21.632	21.973	-	218.819
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	29.653	27.846	73.805	-	73.805	21.435	22.475	21.632	21.973	-	218.819
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>29.653</b>	<b>27.846</b>	<b>73.805</b>	-	<b>73.805</b>	<b>21.435</b>	<b>22.475</b>	<b>21.632</b>	<b>21.973</b>	-	<b>218.819</b>

*(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:**

FY 2024 funding totals includes 10,039K for the Overseas Operations Costs budget request.

This program includes various material handling vehicles with an individual item procurement value of less than 5M. These vehicles consist of Forklifts, Container Handlers, Baggage Conveyors, Warehouse Tugs and Warehouse Cranes critical to Depot and Base Supply Operations.

Locomotive procurement is accomplished on an as needed basis to assist in DoD's mission to replace the ones nearing end of service and to modernize the aging railroad infrastructure.

"This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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: 027597F, 028028F, 057831F, 072831F.

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	168	84	291	0	291	-	-	-	-
	Total Obligation Authority	26.786	25.267	72.399	0.000	72.399	-	-	-	-
AFNG	Quantity	0	0	0	0	0	-	-	-	-
	Total Obligation Authority	0.000	0.000	0.000	0.000	0.000	-	-	-	-
AFR	Quantity	39	23	18	0	18	-	-	-	-
	Total Obligation Authority	2.867	2.579	1.406	0.000	1.406	-	-	-	-

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 5: Materials Handling Equipment					<b>P-1 Line Item Number / Title:</b> 825990 / Materials Handling Vehicles				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A									

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Total:</b>	<b>Quantity</b>	207	107	309	0	309	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	29.653	27.846	73.805	0.000	73.805	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Materials Handling Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Materials Handling Vehicles				- / -	- / 29.653	- / 27.846	- / 73.805	- / -	- / 73.805
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 29.653</b>	<b>- / 27.846</b>	<b>- / 73.805</b>	<b>- / -</b>	<b>- / 73.805</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 73.8M will procure, but not be limited to, 309 vehicles in support of installation and unit mission requirements for Air Force personnel.

34.2M of the FY24 procurement dollars provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures 10K All Terrain Forklifts, 25K Halvorsen Loaders, and 10k 55ft Telehandler Forklifts needed to perform Airfield Damage Repair. This funding is in direct support of DAF's Operational Imperative #5 to deliver resilient forward airbases necessary to make Agile Combat Employment (ACE) effective.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

European Deterrence Initiative (EDI) increase between FY23 \$0 and FY24 \$10,039 thousand, is to procure vehicles under Deployable Airbase System (DABS) requirement.

Pacific Deterrence Initiative (PDI) increase between FY23 \$0 and FY24 \$8,399 thousand, provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures 10K All Terrain Forklifts, 25K Halvorsen Loaders, and 10k 55ft Telehandler Forklifts needed to perform Airfield Damage Repair.

**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 5						P-1 Line Item Number / Title: 825990 / Materials Handling Vehicles						Aggregated Items Title: Materials Handling Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
Pacific Resilient Distributed Air Basing	A		-	-	-	-	-	-	-	-	-	34.194	1	34.194	-	-	-	34.194	1	34.194
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	1	34.194	-	-	-	-	1	34.194	
UKRAINE SUPPORT SUPPLEMENTAL	A		-	-	-	-	-	15.287	1	15.287	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	1	15.287	-	-	-	-	-	-	-	-	-	-	-
FORKLIFT, 4K ELEC NARI 001813113	A		-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-
Halvorsen 25K Loader - ECAOS/EDI only	A		-	-	-	0.936	5	4.680	-	-	-	0.946	9	8.516	-	-	-	0.946	9	8.516
<i>Secondary Distribution</i>																				
AF			-	-	-	5	4.680	-	-	-	-	9	8.516	-	-	-	-	9	8.516	
FORKLIFTS, 2-6K ELECTRIC	A		-	-	-	-	-	0.046	9	0.415	0.046	22	1.014	-	-	-	0.046	22	1.014	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	9	0.415	-	21	0.968	-	-	-	-	21	0.968	
AFR			-	-	-	-	-	-	-	-	-	1	0.046	-	-	-	-	1	0.046	
FORKLIFTS, 4-6K DIESEL	A		-	-	-	-	-	0.056	15	0.847	0.056	30	1.694	-	-	-	0.056	30	1.694	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	10	0.565	-	28	1.581	-	-	-	-	28	1.581	
AFR			-	-	-	-	-	-	5	0.282	-	2	0.113	-	-	-	-	2	0.113	
FORKLIFTS, 4-6K COMMERCIAL	A		-	-	-	-	-	0.044	15	0.660	0.044	49	2.158	-	-	-	0.044	49	2.158	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	12	0.528	-	46	2.026	-	-	-	-	46	2.026	
AFR			-	-	-	-	-	-	3	0.132	-	3	0.132	-	-	-	-	3	0.132	
FORKLIFTS, 10-15K DIESEL	A		-	-	-	-	-	0.096	16	1.543	0.096	81	7.812	-	-	-	0.096	81	7.812	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	9	0.868	-	72	6.944	-	-	-	-	72	6.944	
AFR			-	-	-	-	-	-	7	0.675	-	9	0.868	-	-	-	-	9	0.868	
FORKLIFTS, 10-13K ALL TERRAIN	A		-	-	-	-	-	0.228	17	3.876	0.228	11	2.508	-	-	-	0.228	11	2.508	
<i>Secondary Distribution</i>																				

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 5 **P-1 Line Item Number / Title:** 825990 / Materials Handling Vehicles **Aggregated Items Title:** Materials Handling Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-	-	11	2.508		11	2.508		-	-		11	2.508	
AFR				-	-		-	-	6	1.368		-	-		-	-		-	-	
FORKLIFTS 10K TELEHANDLERS	A		-	-	-	-	-	0.212	5	1.061	0.212	26	5.518	-	-	-	0.212	26	5.518	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	5	1.061		26	5.518		-	-		26	5.518	
FORKLIFTS, 20-25K ROUGH TERRAIN	A		-	-	-	-	-	0.244	3	0.731	0.244	16	3.897	-	-	-	0.244	16	3.897	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	3	0.731		16	3.897		-	-		16	3.897	
WAREHOUSE TUGS, 2-4K	A		-	-	-	-	-	0.061	13	0.795	0.061	31	1.897	-	-	-	0.061	31	1.897	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	11	0.673		31	1.897		-	-		31	1.897	
AFR				-	-		-	-	2	0.122		-	-		-	-		-	-	
CONVEYOR BELTS	A		-	-	-	-	-	0.077	7	0.541	0.076	26	1.977	-	-	-	0.076	26	1.977	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	7	0.541		25	1.900		-	-		25	1.900	
AFR				-	-		-	-	-	-		1	0.077		-	-		1	0.077	
CONTAINER HANDLERS	A		-	-	-	-	-	0.478	4	1.911	0.756	3	2.268	-	-	-	0.756	3	2.268	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	4	1.911		3	2.268		-	-		3	2.268	
WAREHOUSE CRANES	A		-	-	-	-	-	0.085	2	0.169	0.085	4	0.340	-	-	-	0.085	4	0.340	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	2	0.169		2	0.170		-	-		2	0.170	
AFR				-	-		-	-	-	-		2	0.170		-	-		2	0.170	
FORKLIFT, 4K ELECTRIC STANDARD 000539175	A		-	-	-	0.051	7	0.355	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		7	0.355		-	0.000		-	-		-	-		-	
FORKLIFT, 2K ELECTRIC STANDARD 006782580	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 5 **P-1 Line Item Number / Title:** 825990 / Materials Handling Vehicles **Aggregated Items Title:** Materials Handling Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
FORKLIFT, 4K DED 010130338	A		-	-	-	0.047	15	0.705	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		10	0.470		-	0.000		-	-		-	-		-	
AFR				-	-		5	0.235		-	-		-	-		-	-		-	
FORKLIFT, 4K COMMERCIAL 014330885	A		-	-	-	0.044	12	0.528	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		6	0.264		-	0.000		-	-		-	-		-	
AFR				-	-		6	0.264		-	-		-	-		-	-		-	
FORKLIFT, 15K COMMERCIAL 010471597	A		-	-	-	0.086	8	0.690	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.431		-	0.000		-	-		-	-		-	
AFR				-	-		3	0.259		-	-		-	-		-	-		-	
FORKLIFT, 6K RT 008792157	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
TRUCK MOUNTED CONVEYOR BELT 000195630	A		-	-	-	0.076	2	0.152	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.152		-	0.000		-	-		-	-		-	
TRUCK, FORKLIFT NARROW AISLE 6K 014214083	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
FORKLIFT, 6K DED 010525219	A		-	-	-	0.067	36	2.406	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		33	2.244		-	-		-	-		-	-		-	
AFR				-	-		3	0.162		-	-		-	-		-	-		-	
4K AT 23.5FT RT BOOM FL 012104756	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FORKLIFT, 6K COMMERCIAL 014330887	A		-	-	-	0.045	14	0.636	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				



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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 5 **P-1 Line Item Number / Title:** 825990 / Materials Handling Vehicles **Aggregated Items Title:** Materials Handling Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		9	0.409		-	-		-	-		-	-		-	-
AFR				-	-		5	0.227		-	-		-	-		-	-		-	-
FORKLIFT, FAT 10K AT 004889695	A		-	-	-	0.202	13	2.626	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		9	1.818		-	0.000		-	-		-	-		-	-
AFR				-	-		4	0.808		-	-		-	-		-	-		-	-
FORKLIFT, 10K STANDARD 008568897	A		-	-	-	0.095	20	1.898	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		15	1.425		-	-		-	-		-	-		-	-
AFR				-	-		5	0.473		-	-		-	-		-	-		-	-
FORKLIFT, 3K ELECTRIC 011022185	A		-	-	-	0.025	3	0.075	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		3	0.075		-	0.000		-	-		-	-		-	-
FORKLIFT, 6K ELECTRIC 010471157	A		-	-	-	0.046	7	0.322	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		5	0.230		-	0.000		-	-		-	-		-	-
AFR				-	-		2	0.092		-	-		-	-		-	-		-	-
10K 55' REACH TELEHANDLER 015769312	A		-	-	-	0.222	17	3.774	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		17	3.774		-	0.000		-	-		-	-		-	-
4K WHSE TRAC 010070115	A		-	-	-	0.058	13	0.752	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		7	0.405		-	-		-	-		-	-		-	-
AFR				-	-		6	0.347		-	-		-	-		-	-		-	-
FORKLIFT, 50K AT CNTR HD 013073658	A		-	-	-	0.724	2	1.447	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		2	1.447		-	0.000		-	-		-	-		-	-
F/L 100K REACH STACKER 014958475	A		-	-	-	0.485	2	0.970	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 5 **P-1 Line Item Number / Title:** 825990 / Materials Handling Vehicles **Aggregated Items Title:** Materials Handling Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		2	0.970		-	0.000		-	-		-	-		-	-
FORKLIFT, 25K 013904562	A		-	-	-	0.254	11	2.795	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		11	2.795		-	0.000		-	-		-	-		-	-
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.022	-	-	0.010	-	-	0.012	-	-	-	-	-	0.012
<i>Secondary Distribution</i>																				
AF				-	-		-	0.022		-	0.010		-	0.012		-	-		-	0.012
FORKLIFT, TRUCK AT LGE CAP 13K 011260457	A		-	-	-	0.241	20	4.820	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF				-	-		20	4.820		-	0.000		-	-		-	-		-	-
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>29.653</b>	-	-	<b>27.846</b>	-	-	<b>73.805</b>	-	-	<b>-</b>	-	<b>-</b>	<b>73.805</b>
<b>Total</b>			-	-	-	-	-	<b>29.653</b>	-	-	<b>27.846</b>	-	-	<b>73.805</b>	-	-	<b>-</b>	-	<b>-</b>	<b>73.805</b>

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

**Remarks:**

The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	<b>P-1 Line Item Number / Title:</b> 826210 / Runway Snow Remov And Cleaning Equ
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	10.044	7.389	22.030	-	22.030	7.465	8.148	8.951	9.141	-	73.168
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	10.044	7.389	22.030	-	22.030	7.465	8.148	8.951	9.141	-	73.168
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>10.044</b>	<b>7.389</b>	<b>22.030</b>	-	<b>22.030</b>	<b>7.465</b>	<b>8.148</b>	<b>8.951</b>	<b>9.141</b>	-	<b>73.168</b>

*(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:**

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.

"This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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: 0208028F, 0502831F, 0507831F, 0702831F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	37	20	26	0	26	-	-	-
	Total Obligation Authority	9.560	6.912	21.627	0.000	21.627	-	-	-
AFNG	Quantity	3	3	3	0	3	-	-	-
	Total Obligation Authority	0.328	0.329	0.329	0.000	0.329	-	-	-
AFR	Quantity	2	2	1	0	1	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	<b>P-1 Line Item Number / Title:</b> 826210 / Runway Snow Remov And Cleaning Equ
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
	Total Obligation Authority	0.156	0.148	0.074	0.000	0.074	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>42</b>	<b>25</b>	<b>30</b>	<b>0</b>	<b>30</b>	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>10.044</b>	<b>7.389</b>	<b>22.030</b>	<b>0.000</b>	<b>22.030</b>	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 And Cleaning Equ

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Runway Snow Remov And Cleaning Equ				- / -	- / 10.044	- / 7.389	- / 22.030	- / -	- / 22.030
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 10.044</b>	<b>- / 7.389</b>	<b>- / 22.030</b>	<b>- / -</b>	<b>- / 22.030</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 22M will procure, but not be limited to, 30 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

Pacific Deterrence Initiative (PDI) increase between FY23 \$0 and FY24 \$2,110 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures Multipurpose Vacuum Sweeper and Front Mount Sweeper vehicles.

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826210 / Runway Snow Remov And Cleaning Equ **Aggregated Items Title:** Runway Snow Remov And Cleaning Equ

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
Pacific Resilient Distributed Air Basing	A		-	-	-	-	-	-	-	-	-	12.877	1	12.877	-	-	-	12.877	1	12.877
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	1	12.877	-	-	-	-	-	1	12.877
UKRAINE SUPPORT SUPPLEMENTAL	A		-	-	-	-	-	0.980	1	0.980	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	1	0.980	-	-	-	-	-	-	-	-	-	-
CLEANER, VAC MULTIPURPOSE (2438)	A		-	-	-	0.172	19	3.268	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-	-	18	3.096	-	-	-	-	-	-	-	-	-	-	-	-
AFNG			-	-	-	-	1	0.172	-	-	-	-	-	-	-	-	-	-	-	-
RUNWAY SWEEPERS	A		-	-	-	-	-	-	0.181	7	1.268	0.181	4	0.724	-	-	-	0.181	4	0.724
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	6	1.087	-	3	0.543	-	-	-	-	3	0.543
AFNG			-	-	-	-	-	-	-	1	0.181	-	1	0.181	-	-	-	-	1	0.181
ROTARY SWEEPERS	A		-	-	-	-	-	-	0.074	8	0.591	0.074	9	0.666	-	-	-	0.074	9	0.666
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	4	0.295	-	6	0.444	-	-	-	-	6	0.444
AFNG			-	-	-	-	-	-	-	2	0.148	-	2	0.148	-	-	-	-	2	0.148
AFR			-	-	-	-	-	-	-	2	0.148	-	1	0.074	-	-	-	-	1	0.074
SNOW REMOVAL VEHICLES	A		-	-	-	-	-	-	0.606	3	1.818	0.606	4	2.424	-	-	-	0.606	4	2.424
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	3	1.818	-	4	2.424	-	-	-	-	4	2.424
SNOW PLOW VEHICLES	A		-	-	-	-	-	-	0.407	3	1.222	0.408	7	2.856	-	-	-	0.408	7	2.856
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	3	1.222	-	7	2.856	-	-	-	-	7	2.856
SNOW BROOM & BLOWER VEHICLES	A		-	-	-	-	-	-	0.496	3	1.488	0.496	5	2.480	-	-	-	0.496	5	2.480
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	3	1.488	-	5	2.480	-	-	-	-	5	2.480
RAPID RUNWAY REPAIR DIRT SWEEPER (1997)	A		-	-	-	0.078	10	0.780	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826210 / Runway Snow Remov And Cleaning Equ **Aggregated Items Title:** Runway Snow Remov And Cleaning Equ

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-		6	0.468		-	-		-	-		-	-		-	
AFNG				-	-		2	0.156		-	-		-	-		-	-		-	
AFR				-	-		2	0.156		-	-		-	-		-	-		-	
54K PLOW (7657)	A		-	-	-	0.386	1	0.386		-	-		-	-		-	-		-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.386		-	-		-	-		-	-		-	
SNOW BROOM AND BLOWER (3770)	A		-	-	-	0.483	5	2.415		-	0.000		-	-		-	-		-	
<i>Secondary Distribution</i>																				
AF				-	-		5	2.415		-	0.000		-	-		-	-		-	
SNOW REMOVAL UNIT 3K TON PER HOUR (5554)	A		-	-	-	0.496	5	2.478		-	0.000		-	-		-	-		-	
<i>Secondary Distribution</i>																				
AF				-	-		5	2.478		-	0.000		-	-		-	-		-	
AFR				-	-		-	-		-	0.000		-	-		-	-		-	
45K REVERSIBLE PLOW (1944)	A		-	-	-	0.358	2	0.716		-	-		-	-		-	-		-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.716		-	0.000		-	-		-	-		-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.001		-	0.022		-	0.003		-	-		0.003	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.001		-	0.022		-	0.003		-	-		0.003	
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>10.044</b>		-	<b>7.389</b>		-	<b>22.030</b>		-	-		<b>22.030</b>	
<b>Total</b>			-	-	-	-	-	<b>10.044</b>		-	<b>7.389</b>		-	<b>22.030</b>		-	-		<b>22.030</b>	

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

**Remarks:**

The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 6	<b>P-1 Line Item Number / Title:</b> 826210 / Runway Snow Remov And Cleaning Equ	<b>Aggregated Items Title:</b> Runway Snow Remov And Cleaning Equ



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support	<b>P-1 Line Item Number / Title:</b> 826990 / Base Maintenance Support Vehicles
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	108.328	116.555	223.354	-	223.354	57.803	29.763	45.210	45.294	-	626.307
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	108.328	116.555	223.354	-	223.354	57.803	29.763	45.210	45.294	-	626.307
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>108.328</b>	<b>116.555</b>	<b>223.354</b>	-	<b>223.354</b>	<b>57.803</b>	<b>29.763</b>	<b>45.210</b>	<b>45.294</b>	-	<b>626.307</b>

*(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:**

FY 2024 funding totals includes \$12,387K for Overseas Operations Costs budget request.

This vehicle group consist of armored loaders and dozers (added this year), 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 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.

"This requirement [or modification] supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D "Audits: audit of financial statements of Department of Defense components by independent external auditors.

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: 027430F, 028028F,052831F, 057831F, 072831F.

	Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	559	264	391	0	391	-	-	-	-
	Total Obligation Authority	107.003	115.386	222.259	0.000	222.259	-	-	-	-
AFNG	Quantity	7	4	5	0	5	-	-	-	-
	Total Obligation Authority	0.990	0.892	0.726	0.000	0.726	-	-	-	-
AFR	Quantity	3	3	1	0	1	-	-	-	-
	Total Obligation Authority	0.335	0.277	0.369	0.000	0.369	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 6: Base Maintenance Support					<b>P-1 Line Item Number / Title:</b> 826990 / Base Maintenance Support Vehicles				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A									

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Total:</b>	<b>Quantity</b>	569	271	397	0	397	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	108.328	116.555	223.354	0.000	223.354	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Base Maintenance Support Vehicles

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Base Maintenance Support Vehicles				- / -	- / 108.328	- / 116.555	- / 223.354	- / -	- / 223.354
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 108.328</b>	<b>- / 116.555</b>	<b>- / 223.354</b>	<b>- / -</b>	<b>- / 223.354</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY24 procurement dollars in the amount of 223M will procure, but not be limited to, 397 vehicles in support of installation and unit mission requirements for Air Force personnel.

109M of the FY24 procurement dollars provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures Compact Track Loaders (CTLs), Front-End Loaders, Wheeled Excavators, Dump Trucks and the associated specialized attachments needed to perform Rapid Damage Repair (RDR) of airfield surfaces. This funding is in direct support of DAF's Operational Imperative #5 to deliver resilient forward airbases necessary to make Agile Combat Employment (ACE) effective.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Regional Base Cluster Prepositioning Kits (RBCP) for PACOM, and other initiatives as they arise.

As the model applies the life expectancy/sustainment cost/mission priority logic in generating requirements, there can be gaps in individual vehicle type (NSN) requirements from year-to-year.

Unit Cost is subject to change from year-to-year based on buy quantities, CONUS/OCONUS locations, inflation and additional requirements (options required by users). Examples of options include, but are not limited to, specialized trailer towing packages, export (non-Ultra Low Sulfur Diesel) engines, and mission specific specialized attachments for construction vehicles. Unit cost is also subject to change based on fluctuations in contract pricing.

Unit Cost will and does fluctuate depending on the vendors who submit quotes and are lowest priced/technically acceptable. Some vendors are twice the cost of others but depends on who submits quotes and are on contract at DLA/GSA.

European Deterrence Initiative (EDI) increase between FY23 \$0 and FY24 \$12,387 thousand supports procurement of Heavy Construction Vehicles for USAFE Deployable Airbase System (DAB) kits designed to provide rapid construction and repair capabilities in theater

Pacific Deterrence Initiative (PDI) increase between FY23 \$0 and FY24 \$4,074 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures Compact Track Loaders (CTLs), Front-End Loaders, Wheeled Excavators, Dump Trucks and the associated specialized attachments needed to perform Rapid Damage Repair (RDR) of airfield surfaces.

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826990 / Base Maintenance Support Vehicles **Aggregated Items Title:** Base Maintenance Support Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Uncategorized</b>																				
UKRAINE EFFORT	A		-	-	-	-	-	-	44.543	1	44.543	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		1	44.543	-	-	-	-	-	-	-	-	
Pacific Resilient Distributed Air Basing	A		-	-	-	-	-	-	-	-	-	109.089	1	109.089	-	-	-	109.089	1	109.089
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-		1	109.089	-	-	-		1	109.089
DUMP TRUCK, 6X4, 64k GVW (2320-01-524-6043)	A		-	-	-	0.162	2	0.324	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
AF			-	-	-		1	0.162		-	0.000		-	-		-	-		-	-
AFR			-	-	-		1	0.162		-	0.000		-	-		-	-		-	-
ARMORED LOADERS	A		-	-	-	-	-	-	0.947	10	9.465	0.947	10	9.465	-	-	-	0.947	10	9.465
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		10	9.465		10	9.465		-	-		10	9.465
ARMORED DOZERS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHALT BATCH PLANTS	A		-	-	-	-	-	-	1.500	2	3.000	1.500	2	3.000	-	-	-	1.500	2	3.000
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		2	3.000		2	3.000		-	-		2	3.000
ASPHALT RECYCLERS	A		-	-	-	-	-	-	0.222	8	1.772	0.222	8	1.772	-	-	-	0.222	8	1.772
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		8	1.772		8	1.772		-	-		8	1.772
CONCRETE MIXERS	A		-	-	-	-	-	-	0.236	3	0.707	0.236	9	2.120	-	-	-	0.236	9	2.120
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		3	0.707		9	2.120		-	-		9	2.120
CRANES, LARGE	A		-	-	-	-	-	-	1.547	1	1.547	1.546	2	3.092	-	-	-	1.546	2	3.092
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		1	1.547		2	3.092		-	-		2	3.092
CRANES, SMALL	A		-	-	-	-	-	-	0.369	5	1.846	0.369	12	4.431	-	-	-	0.369	12	4.431
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		5	1.846		11	4.062		-	-		11	4.062
AFR			-	-	-	-	-	-		-	-		1	0.369		-	-		1	0.369
CRAWLERS	A		-	-	-	-	-	-	0.097	2	0.193	0.096	7	0.675	-	-	-	0.096	7	0.675
<i>Secondary Distribution</i>																				

**UNCLASSIFIED**

**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826990 / Base Maintenance Support Vehicles **Aggregated Items Title:** Base Maintenance Support Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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				-	-		-	-	2	0.193		7	0.675		-	-		7	0.675	
CRUSHING / SCREENING PLANTS	A		-	-	-	-	-	0.301	1	0.301	0.301	5	1.506	-	-	-	0.301	5	1.506	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	1	0.301		5	1.506		-	-		5	1.506	
DISTR WATER TRUCKS	A		-	-	-	-	-	0.213	16	3.402	0.213	31	6.591	-	-	-	0.213	31	6.591	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	16	3.402		31	6.591		-	-		31	6.591	
DISTR WATER TRAILERS	A		-	-	-	-	-	0.108	15	1.618	0.108	30	3.236	-	-	-	0.108	30	3.236	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	15	1.618		30	3.236		-	-		30	3.236	
DITCHING MACHINES	A		-	-	-	-	-	0.164	3	0.491	0.164	16	2.619	-	-	-	0.164	16	2.619	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	3	0.491		16	2.619		-	-		16	2.619	
DOZERS	A		-	-	-	-	-	0.591	9	5.316	0.591	25	14.768	-	-	-	0.591	25	14.768	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	9	5.316		25	14.768		-	-		25	14.768	
DUMP TRUCKS, SMALL	A		-	-	-	-	-	0.133	15	1.994	0.133	17	2.260	-	-	-	0.133	17	2.260	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	15	1.994		17	2.260		-	-		17	2.260	
DUMP TRUCKS, LARGE	A		-	-	-	-	-	0.452	16	7.237	0.452	10	4.520	-	-	-	0.452	10	4.520	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	16	7.237		10	4.520		-	-		10	4.520	
EXCAVATORS	A		-	-	-	-	-	0.220	19	4.184	0.220	4	0.880	-	-	-	0.220	4	0.880	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	18	3.964		4	0.880		-	-		4	0.880	
AFNG				-	-		-	-	1	0.220		-	-		-	-		-	-	
GRADERS	A		-	-	-	-	-	0.334	13	4.340	0.334	20	6.677	-	-	-	0.334	20	6.677	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	13	4.340		20	6.677		-	-		20	6.677	
LOADERS LESS THAN 2 CY	A		-	-	-	-	-	0.131	26	3.401	0.131	27	3.530	-	-	-	0.131	27	3.530	
<i>Secondary Distribution</i>																				
AF				-	-		-	-	25	3.270		24	3.140		-	-		24	3.140	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826990 / Base Maintenance Support Vehicles **Aggregated Items Title:** Base Maintenance Support Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFNG				-	-		-	-		-		3	0.390		-	-		3	0.390	
AFR				-	-		-	-		1	0.131		-	-		-	-		-	-
LOADERS GREATER THAN 2 CY	A		-	-	-		-	-	0.345	23	7.945	0.345	27	9.327		-	-	0.345	27	9.327
<i>Secondary Distribution</i>																				
AF				-	-		-	-		23	7.945		27	9.327		-	-		27	9.327
MIXERS BITUMINOUS	A		-	-	-		-	-	0.149	8	1.195	0.149	12	1.792		-	-	0.149	12	1.792
<i>Secondary Distribution</i>																				
AF				-	-		-	-		8	1.195		12	1.792		-	-		12	1.792
PAVING MACHINES	A		-	-	-		-	-	0.315	2	0.629	0.314	16	5.029		-	-	0.314	16	5.029
<i>Secondary Distribution</i>																				
AF				-	-		-	-		2	0.629		16	5.029		-	-		16	5.029
ROLLERS MOTORIZED	A		-	-	-		-	-	0.054	20	1.071	0.053	6	0.318		-	-	0.053	6	0.318
<i>Secondary Distribution</i>																				
AF				-	-		-	-		20	1.071		6	0.318		-	-		6	0.318
ROLLERS VIBRATING	A		-	-	-		-	-	0.160	20	3.196	0.160	11	1.758		-	-	0.160	11	1.758
<i>Secondary Distribution</i>																				
AF				-	-		-	-		20	3.196		11	1.758		-	-		11	1.758
SCRAPERS	A		-	-	-		-	-	0.770	3	2.309	0.770	21	16.160		-	-	0.770	21	16.160
<i>Secondary Distribution</i>																				
AF				-	-		-	-		3	2.309		21	16.160		-	-		21	16.160
SEWER & MANHOLE VEHICLES	A		-	-	-		-	-	0.265	6	1.587	0.263	11	2.893		-	-	0.263	11	2.893
<i>Secondary Distribution</i>																				
AF				-	-		-	-		6	1.587		10	2.630		-	-		10	2.630
AFNG				-	-		-	-		-	-		1	0.263		-	-		1	0.263
TRACTOR WHEELED INDUSTRIAL	A		-	-	-		-	-	0.073	11	0.803	0.073	12	0.876		-	-	0.073	12	0.876
<i>Secondary Distribution</i>																				
AF				-	-		-	-		9	0.657		11	0.803		-	-		11	0.803
AFNG				-	-		-	-		-	-		1	0.073		-	-		1	0.073
AFR				-	-		-	-		2	0.146		-	-		-	-		-	-
TRAILERS DITCH TILT	A		-	-	-		-	-	0.034	6	0.203	0.033	33	1.089		-	-	0.033	33	1.089
<i>Secondary Distribution</i>																				
AF				-	-		-	-		5	0.169		33	1.089		-	-		33	1.089

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826990 / Base Maintenance Support Vehicles **Aggregated Items Title:** Base Maintenance Support Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)	
AFNG				-	-		-		1	0.034			-		-			-		-	
TRUCK SEWER CENTRIFUGAL	A		-	-	-		-		0.328	5	1.640	0.328	8	2.624			-	0.328	8	2.624	
<i>Secondary Distribution</i>																					
AF				-	-		-			4	1.312		8	2.624					8	2.624	
AFNG				-	-		-			1	0.328			-					-	-	
TRUCK WATER - WASTE	A		-	-	-		-		0.310	2	0.620	0.310	4	1.242					0.311	4	1.242
<i>Secondary Distribution</i>																					
AF				-	-		-			1	0.310		4	1.242						4	1.242
AFNG				-	-		-			1	0.310			-						-	-
BATCHING PLANT (3895-01-063-2722)	A		-	-	-	1.085	7	7.595			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		7	7.595			-		-	-						-	-
UPARMORED CRAWLER DOZER T9 (2410-01-672-6198)	A		-	-	-	0.650	4	2.600			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		4	2.600			-		-	-						-	-
UPARMORED CRAWLER DOZER T7 (2410-01-672-6199)	A		-	-	-	0.500	3	1.500			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		3	1.500			-		-	-						-	-
ARMORED WHEEL LOADER (3805-01-686-4441)	A		-	-	-	0.988	5	4.940			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		5	4.940			-		-	-						-	-
MKR TRAFFIC (3825-00-542-2515)	A		-	-	-	0.451	2	0.902			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		2	0.902			-		-	-						-	-
SCOOP LOADER (3805-00-260-1967)	A		-	-	-	0.182	8	1.456			-		-	-						-	-
<i>Secondary Distribution</i>																					
AF				-	-		8	1.456			-		-	-						-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Base Maintenance Support Vehicles						Aggregated Items Title: Base Maintenance Support Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRK DP 24000-33000G 4X2 (2320-00-833-6117)	A		-	-	-	0.082	11	0.906	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		11	0.906		-	0.000		-	-		-	-		-	
5 TON DUMP TRUCK (2320-00-706-5348)	A		-	-	-	0.116	3	0.349	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		2	0.233		-	0.000		-	-		-	-		-	
AFR			-	-	-		1	0.116		-	0.000		-	-		-	-		-	
2.5 CY SCOOP LOADER FT (3805-00-728-9718)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXCAVATOR DIESEL ENGINE DRIVEN PT (3805-01-106-7176)	A		-	-	-	0.315	33	10.399	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		33	10.399		-	-		-	-		-	-		-	
WHEELED DITCHING MACHINE (3805-01-032-9974)	A		-	-	-	0.162	5	0.812	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		5	0.812		-	-		-	-		-	-		-	
1.5 CY SCOOP LDR W/Q CPLR (3805-01-074-8111)	A		-	-	-	0.132	2	0.263	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		2	0.263		-	0.000		-	-		-	-		-	
LODR SCP PT 4CY (3805-01-075-1816)	A		-	-	-	0.288	8	2.307	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		8	2.307		-	-		-	-		-	-		-	
SCOOP LDR W/BKHOE (3805-00-148-2169)	A		-	-	-	0.121	27	3.273	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		27	3.273		-	0.000		-	-		-	-		-	
SCOOP LOADER, SKID STEER 1CY (3805-01-257-5636)	A		-	-	-	0.061	3	0.182	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		3	0.182		-	0.000		-	-		-	-		-	



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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Base Maintenance Support Vehicles						Aggregated Items Title: Base Maintenance Support Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
CRAWLER DITCHING MACHINE (3805-00-080-1931)	A		-	-	-	0.386	2	0.772	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.772		-	0.000		-	-		-	-		-	
ROLLER MOT PT SP 15T (3895-00-078-5898)	A		-	-	-	0.087	14	1.218	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		14	1.218		-	0.000		-	-		-	-		-	
RLR RD TAND 2RL (3895-00-243-6797)	A		-	-	-	0.050	4	0.200	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		4	0.200		-	0.000		-	-		-	-		-	
RLR VIB TYPE II (3895-01-071-5625)	A		-	-	-	0.158	14	2.210	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		14	2.210		-	0.000		-	-		-	-		-	
1500G WATER DISTR (3825-00-554-1808)	A		-	-	-	0.165	28	4.620	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		28	4.620		-	0.000		-	-		-	-		-	
TRAC IND IW-70 (2420-00-113-8984)	A		-	-	-	0.059	8	0.476	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		8	0.476		-	0.000		-	-		-	-		-	
DOZER T7 (2410-00-756-1161)	A		-	-	-	0.274	20	5.472	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		20	5.472		-	0.000		-	-		-	-		-	
GRADER, SIZE V, TYPE III (3805-01-337-4624)	A		-	-	-	0.200	24	4.808	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		24	4.808		-	0.000		-	-		-	-		-	
DISTRIBUTOR WATER TRAILER (3825-00-570-3417)	A		-	-	-	0.164	2	0.328	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.164		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.164		-	0.000		-	-		-	-		-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Base Maintenance Support Vehicles						Aggregated Items Title: Base Maintenance Support Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
SEWER TRK TANDEM AXLE (2320-01-500-5501)	A		-	-	-	0.388	3	1.164	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		3	1.164		-	0.000		-	-		-	-	-	-	
TLR DITCHING MACH (2330-01-079-4053)	A		-	-	-	0.021	3	0.062	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		2	0.041		-	0.000		-	-		-	-	-	-	
AFNG			-	-	-		1	0.021		-	-		-	-		-	-	-	-	
WATER DISTR TRUCK (3825-01-539-3764)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.000		-	0.000		-	-		-	-	-	-	
7.5 T CRANE (3810-01-106-3991)	A		-	-	-	0.328	13	4.260	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		13	4.260		-	0.000		-	-		-	-	-	-	
TLR MANHOLE CLNR (2330-00-307-3295)	A		-	-	-	0.104	2	0.209	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		2	0.209		-	0.000		-	-		-	-	-	-	
TRUCK, DUMP (2320-01-344-9282)	A		-	-	-	0.143	67	9.600	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		67	9.600		-	0.000		-	-		-	-	-	-	
DRIER-MXR, BIT CONCR (3895-01-624-1958)	A		-	-	-	0.149	36	5.376	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		36	5.376		-	0.000		-	-		-	-	-	-	
2000 GAL WATER TANK (3825-01-624-1963)	A		-	-	-	0.071	57	4.026	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		57	4.026		-	0.000		-	-		-	-	-	-	
MIXER, BITUMINOUS MA (3895-01-627-1341)	A		-	-	-	0.221	18	3.986	-	-	0.000	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Base Maintenance Support Vehicles						Aggregated Items Title: Base Maintenance Support Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-		18	3.986		-	0.000		-	-		-	-		-	
GRADER SZ 6 (3805-01-373-5314)	A		-	-	-	0.335	2	0.670	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.670		-	0.000		-	-		-	-		-	
MIXER CON TRLR MTD (3895-01-005-5422)	A		-	-	-	0.286	2	0.572	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.286		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.286		-	-		-	-		-	-		-	
COMPACT EXCAVATOR CRAWLER (3805-01-565-8767)	A		-	-	-	0.066	5	0.329	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.329		-	0.000		-	-		-	-		-	
SCRAPER MOTORIZED 18CY (3805-00-234-9778)	A		-	-	-	0.770	1	0.770	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.770		-	0.000		-	-		-	-		-	
CRUSH-SCREEN 150TH (3820-00-060-1841)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
T7 DOZER (2410-00-816-5091)	A		-	-	-	0.569	2	1.137	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	1.137		-	0.000		-	-		-	-		-	
AFNG				-	-		-	0.000		-	0.000		-	-		-	-		-	
LOADER SKID STEER TRACK MTD (3805-00-278-1245)	A		-	-	-	0.057	9	0.510	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		5	0.283		-	0.000		-	-		-	-		-	
AFNG				-	-		3	0.170		-	0.000		-	-		-	-		-	
AFR				-	-		1	0.057		-	0.000		-	-		-	-		-	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 02 / 6 **P-1 Line Item Number / Title:** 826990 / Base Maintenance Support Vehicles **Aggregated Items Title:** Base Maintenance Support Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
SEWER TRK SINGLE AXLE (2320-01-501-8524)	A		-	-	-	0.374	1	0.374	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.374		-	0.000		-	-		-	-		-	
CRANE HYDRAULIC 15T (3810-01-485-8693)	A		-	-	-	0.230	3	0.689	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	0.689		-	0.000		-	-		-	-		-	
CRANE TRK MTD 28 TON (3810-001-506-6637)	A		-	-	-	0.404	3	1.212	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	1.212		-	0.000		-	-		-	-		-	
PAVEMENT PROFILER (3895-01-108-3606)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
TRUCK, WASTE WATER TANKER (2320-01-627-2536)	A		-	-	-	0.336	2	0.671	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.671		-	0.000		-	-		-	-		-	
ROLLER MOTORIZED (3895-01-603-8654)	A		-	-	-	0.035	2	0.070	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		2	0.070		-	0.000		-	-		-	-		-	
DUMP TRUCK 6X4 55K GVW (2320-01-058-5725)	A		-	-	-	0.265	9	2.389	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		9	2.389		-	-		-	-		-	-		-	
EXCAVATOR CRAWLER MTD (3805-01-058-3562)	A		-	-	-	0.257	1	0.257	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.257		-	0.000		-	-		-	-		-	
COMPACT TRACK LOADER (3805-01-603-8653)	A		-	-	-	0.081	69	5.599	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force																Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 6						P-1 Line Item Number / Title: 826990 / Base Maintenance Support Vehicles						Aggregated Items Title: Base Maintenance Support Vehicles								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>Secondary Distribution</i>																				
AF				-	-		69	5.599		-	0.000		-	-		-	-		-	
COMPACT SHEEPS FOOT (3805-01-359-7626)	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	0.000		-	0.000		-	-		-	-		-	
TRAC WHLD IND 4WD 85HP (2420-01-205-8579)	A		-	-	-	0.060	6	0.358	-	-	-	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		6	0.358		-	0.000		-	-		-	-		-	
50T CRANE (3810-01-079-8358)	A		-	-	-	0.462	1	0.462	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.462		-	0.000		-	-		-	-		-	
DUMP TRUCK 22 CY ARTICULATE (3805-00-931-0616)	A		-	-	-	0.452	1	0.452	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.452		-	0.000		-	-		-	-		-	
TRAVEL MIXER ROTARY TILLER (3895-01-618-1267)	A		-	-	-	0.411	3	1.233	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		3	1.233		-	0.000		-	-		-	-		-	
CRANE SP TM 20-29T (3810-00-554-4103)	A		-	-	-	0.487	1	0.487	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	0.487		-	0.000		-	-		-	-		-	
CRANE 100TON A/T (3810-01-549-5094)	A		-	-	-	1.208	1	1.208	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		1	1.208		-	0.000		-	-		-	-		-	
PAVING MACHINE (3895-01-057-5288)	A		-	-	-	0.349	1	0.349	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF				-	-		-	-		-	0.000		-	-		-	-		-	
AFNG				-	-		1	0.349		-	0.000		-	-		-	-		-	

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 02 / 6	<b>P-1 Line Item Number / Title:</b> 826990 / Base Maintenance Support Vehicles	<b>Aggregated Items Title:</b> Base Maintenance Support Vehicles
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRUCK MOUNTED CONCRETE MIXER (3895-00-834-6124)	A		-	-	-	0.210	2	0.420	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		2	0.420		-	0.000		-	-		-	-		-	
CRANE 18 TON WHEEL IND (3810-01-539-6808)	A		-	-	-	0.283	3	0.849	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		3	0.849		-	0.000		-	-		-	-		-	
CRANE, 50 TON (3810-00-272-9031)	A		-	-	-	0.655	1	0.655	-	-	0.000	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
AF			-	-	-		1	0.655		-	0.000		-	-		-	-		-	
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	0.011	-	-	-	-	-	0.015	-	-	-	-	-	0.015
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	0.011		-	-		-	0.015		-	-		-	0.015
<b>Subtotal: Uncategorized</b>			-	-	-	-	-	<b>108.328</b>	-	-	<b>116.555</b>	-	-	<b>223.354</b>	-	-	-	-	-	<b>223.354</b>
<b>Total</b>			-	-	-	-	-	<b>108.328</b>	-	-	<b>116.555</b>	-	-	<b>223.354</b>	-	-	-	-	-	<b>223.354</b>

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

**Remarks:**  
 The AF has decided to change the way vehicle procurements is reported due to the large amount of NSNs and sub-NSNs within the vehicle program. Prior to FY24, the AF reported vehicle procurement by National Stock Numbers. Each stock number provided projected procurement quantities provided by the 441st Vehicle Support Chain Operations Squadron (VSCOS). Starting in FY24 and the out years, the AF has created Vehicle-Type Categories in order to better explain/understand vehicle procurement reporting. The Vehicle-Type Categories contain vehicles that are similar in type and cost. Because vehicle requirements consistently change during the year of execution, using this type of reporting ensures quantity adjustments are reported accurately and better explained/understood. Detailed vehicle data on actual vehicle purchases can be obtained through the CARS 2.0 data system maintained and controlled by the 441st VSCOS and is available upon request.

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY24 ARE SUBJECT TO CHANGE.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	66.792	91.817	98.600	-	98.600	63.192	64.789	67.170	68.593	-	520.953
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	66.792	91.817	98.600	-	98.600	63.192	64.789	67.170	68.593	-	520.953
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>66.792</b>	<b>91.817</b>	<b>98.600</b>	-	<b>98.600</b>	<b>63.192</b>	<b>64.789</b>	<b>67.170</b>	<b>68.593</b>	-	<b>520.953</b>

*(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:**

These programs support Cyberspace Activities.

**PE 0303135F PUBLIC KEY INFRASTRUCTURE (PKI)**

PKI provides identity management (IDM) services as part of the DOD Identity Credential and Access Management (ICAM) program to support warfighter requirements. Air Force IDM programs align with DoD ICAM efforts and support DoD ICAM Roadmap and Strategic Plan and the AF ICAM Technology Roadmap. PKI provides the fundamental framework implemented within DoD to ensure information system's security. It provides the capability to attach digital signatures to electronic documents for IDM, to encrypt and decrypt electronic documents for secure transmission, and to support physical and logical access control solutions. 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 of many security solutions used to protect information and provide attributes enabling authorization access to critical resources in the Air Force Information Networks (AFIN) and used concurrently with other solutions. PE also includes Air Force Directory Service (AFDS), which is the single source of consolidated authoritative IDM enabling secure smart card logon to Department of the Air Force (DAF) clients and applications supporting both Air Force and Space Force. AFDS ensures that DAF 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 using directory technology, alleviates latency associated with the sharing/replication of identity data attributes. AFDS supports delivery of an enterprise security service and backbone for DAF networks, by providing DAF user credentials to the DAF Network Enterprise and DAF system applications.

**PE 0303140F INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)**

This program centrally funds procurement of Communications Security (COMSEC) equipment, ancillary encryption/decryption devices, and related equipment to ensure confidentiality, integrity, and availability and enable the secure transport of information. ISSP delivers on rising national, DoD, Space Force, and AF priorities to address cybersecurity threats and increasing warfighter dependence on cyberspace. AF, Space Force, and 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 in modern, high-tempo, full spectrum operations. AF COMSEC equipment protects information such as, warfighter positions, mission planning, target strikes, commander's orders, intelligence, force strength, and force readiness. When an adversary is capable of interpretation, manipulation, or destruction of the information used by the warfighter, DoD military forces may suffer devastating mission degradation that can result in loss of life and resources and/or exceptionally grave damage to national security. The COMSEC program includes equipment upgrades and replacements which incorporate the best technologies mandated to provide mission

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
critical warfighter secure voice and data communications in tactical, strategic, and network applications for our globally-deployed COMSEC crypto assets supporting AF, Space Force, and DoD missions. Details of the assets are included in each section's narrative.		
Funding for this exhibit contained in PE 0303135F; PE 0303140F.		



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 831010 / Comsec Equipment Equip / BSA 1: Comm Security Equipment(Comsec)

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Public Key Infrastructure (PKI)		A		- / -	- / 4.260	- / 7.347	- / 6.024	- / -	- / 6.024
P-5	Information Systems Security Program	P-5a, P-21	A		- / -	- / 62.531	- / 84.470	- / 92.576	- / -	- / 92.576
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 66.792</b>	<b>- / 91.817</b>	<b>- / 98.600</b>	<b>- / -</b>	<b>- / 98.600</b>

\*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 sum exactly due to rounding.

**Justification:**

PE 0303135F PUBLIC KEY INFRASTRUCTURE (PKI)

1. EVOLUTIONARY PKI END USER EQUIPMENT: PKI provides identity management (IDM) services as part of the DOD Identity Credential and Access Management (ICAM) program to support warfighter requirements. Air Force IDM programs align with DoD ICAM efforts and support DoD ICAM Roadmap and Strategic Plan and the AF ICAM Technology Roadmap. PKI provides the fundamental framework and services implemented within DoD to ensure information systems security. It provides the capability to attach digital signatures to electronic documents for IDM, to encrypt and decrypt electronic documents for secure transmission, and to support physical and logical access control solutions. 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 of many security solutions used to protect information and provide attributes enabling authorization access to critical resources in the Air Force Information Networks (AFIN) and is used concurrently with other solutions. FY24 funding supports several different requirement areas to procure infrastructure equipment for the field in support of AFIN, PKI, Evolutionary PKI End User Equipment to include multifactor authentication technologies and authorization services, Less Than Medium Assurance (LTMA) capabilities and services, cloud/mobile support, claims-based authorization, attribute-based access control, federation to support mission partners, and non-person entities management. The current DoD 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.

2. AIR FORCE DIRECTORY SERVICES (AFDS): Air Force Directory Service (AFDS) is the Department of the Air Force (DAF) enterprise-level directory service and attribute store which provides the single source of consolidated authoritative identity management data that enables secure smart card logon to Department of the Air Force (DAF) both Air Force and Space Force clients and applications, facilitating global net-centric operations. As part of the DOD/DAF Identity Solutions Branch and integral part of Identity Credential Access Management (ICAM), AFDS capabilities include identity data directory (IDD), automated AFNET account provisioning, exchange contact information synchronization (ECIS) also known as Global Address List (GAL) synchronization and Dynamic Distribution List Creation and Management and reduces the redundancy of directory services and disparate databases and security stores currently deployed across the DAF. AFDS ensures that DAF 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 using directory technology, alleviates latency associated with the sharing/replication of identity data attributes. AFDS supports delivery of an enterprise security service and backbone for DAF networks (both in-garrison and tactical), by providing DAF user credentials to the DAF Network Enterprise and DAF system applications. AFDS leverages and provides a core meta-directory service that "joins" and synchronizes personal identity data attributes from authoritative DAF and DoD repositories for use by all DAF systems and applications. Funds will support procurement of identity and credential solutions for mobile platforms and DAF systems and applications to meet DoD and DAF ICAM requirements as well as procure hardware, software and contractor supported upgrades. FY24 funds will procure hardware, software, and support upgrades.

PE 0303140F INFORMATION SYSTEMS SECURITY PROGRAM

1. 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, Space Force, inter-service, and various DoD agency customers; and includes items approved under the National Security Agency (NSA) Commercial COMSEC Evaluation Program (CCEP) such as KIV-7M, Tactical Fast Lane (TACLANE), and other High Assurance Internet Protocol Encryptor (HAIPE) devices. The program includes equipment upgrades and replacements that incorporate state-of-the-art technologies for mission-critical warfighter

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>secure voice and data communications. The program provides needed upgrades to encryption devices in FY24 to comply with NSA's Advanced Cryptographic Capabilities (ACC) directives. The program continues to support tactical, strategic, and network applications for globally deployed cryptologic assets supporting AF, Space Force, and DoD. Funding is also needed to perform required repairs and meet contractual commitments to sustain the 1000+ National Stock Numbers and systems and keep pace with the warfighter's requirements. Supported systems fall within AF Information Systems Security and Information Assurance arenas. Funding for this effort is in PE 0303140F.</p> <p>a. IN-LINE NETWORK ENCRYPTORS (INE): Previously called Network Encryption Systems. FY24 funding continues to field the new 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 (IP) Version 6 capability that will improve security and expand the bandwidth of USAF and Space Force secure IP networks (includes unclassified, secret, and top secret). Department of Air Force demand for modernized INEs is growing.</p> <p>b. AIR AND GROUND COMSEC CONSOLIDATED: Several requirements have been combined into one line: Secure Telephones, COMSEC Acquisition Reform (CAR), Peculiar Support Equipment, Secure Communications Voice/Data, Embedded Encryption Devices, Telemetry Encryption Devices and AF Key Management Enterprise (AF KME) Tier 1, Tier 2, and Tier 3 hardware. FY24 funds procure secure voice/data equipment, latest generation Tier 3 devices (such as SKLs/NGLDMs/TKLs), Tier 2 hardware to include KMI Management Clients (MGCs) that provide the user interface; Advanced Key Processors (AKPs) that provide the cryptographic capability to interact with the DoD KMI, DoD Type 1 COMSEC equipment and commercial cryptography products, testing and support equipment, embedded COMSEC modules, and telemetry devices and Link-16. The Air and Ground COMSEC line is an aggregation of numerous items. Each year the types and quantities of items utilized to meet requirements vary; an average unit cost is based on number/type of units planned for purchase.</p> <p>2. CRYPTOGRAPHIC MODERNIZATION (CM): 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, reduced costs, and ensured Global Information Grid (GIG) compatibility. The 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 NSA mandates, and mission environments. The future inventory will provide security devices that ease logistics, support Joint and coalition interoperability, 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, and without increasing communication transient and information holding risk. Current CM programs will ensure modernized, secure communications capability to Vinson/ANDVT devices and miniaturized crypto for small unmanned systems. Current programs will replace/upgrade over 30,000 devices out of the Air Force's 300,000+ crypto devices and provided over 100,000 new devices where none were previously available. Other programs are undergoing development under the auspices of other lines in 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 NSA assessments and Policy #3-9 "Cryptographic Modernization Initiative Requirements for Type 1 Cryptographic Products". Funding for this effort is in PE 0303140F.</p> <p>a. IDENTIFICATION FRIEND OR FOE (IFF) MODE 5 CM: 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 are being assessed annually in coordination with HQ ACC/CCC AF Crypto requirements office for any platform requirement changes that drive procurement actions. FY24 funds procure KIV-78 devices.</p> <p>b. VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM): FY24 funds will continue to support Full Rate Production of devices to fulfill AF, Navy, other DoD, U.S. Government agency and Foreign Military Sales (FMS) partner orders. Program will execute Engineering Change Proposal (ECP) to correct Deficiency Reports for platforms looking to proceed with integration to ensure adherence to mandates. Program will execute ECP for Crypto Modernization 2 (CM2) needed to thwart emerging information assurance vulnerabilities posed by quantum computing. Program will execute the ECP for Tactical Secure Voice Crypto Interoperability Specification (TSVCIS) that ensures North Atlantic Treaty Organization (NATO) Interoperability by incorporating the Secure Tactical Communications - Interoperability Specification. VACM is an element within the AF CM Program. This program developed and is procuring devices 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 Remote</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 1: Comm Security Equipment(Comsec)		<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Control Unit (RCU) project is a permanent sustainment modification effort that will augment and replace legacy RCU inventory. RCU is necessary to control VACM End Crypto Units (ECUs) on DoD platforms where the VACM ECU is not easily accessible during operations.</p> <p>(1) VACM COMPONENTS (ARC-234): FY24 funding supports the VACM Embedded Project. It 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 COMSEC capability by upgrading the BBIO module with reprogrammable hardware and modern crypto algorithms. The upgraded BBIOs will be installed/modified into the ARC-234 radios.</p> <p>(2) VACM DEVICES: FY24 funding procures modernized secure voice communication devices. The production line will replace five legacy crypto device types on critical national leadership networks including airborne, ground and mobile platforms.</p> <p>(3) Remote Control Unit (RCU): FY24 funding supports production of the RCU, a permanent sustainment modification project that will provide a form fit replacement and backward capability with legacy devices. This effort fixes existing sustainment challenges.</p> <p>e. PROGRAM MANAGEMENT ADMINISTRATION (PMA): FY24 program management administration funding supports management with engineering and technical expertise in support of procurement activities.</p> <p>3. AIR FORCE KEY MANAGEMENT ENTERPRISE (AF KME): AF KME consolidated under 1.b. AIR AND GROUND COMSEC CONSOLIDATED</p> <p>a. KMI Hardware (Tier 2): KMI Hardware (Tier 2) consolidated under 1.b. AIR AND GROUND COMSEC CONSOLIDATED</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1			<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment			<b>Item Number / Title [DODIC]:</b> Public Key Infrastructure (PKI)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	4.260	7.347	6.024	-	6.024
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	4.260	7.347	6.024	-	6.024
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	<b>4.260</b>	<b>7.347</b>	<b>6.024</b>	-	<b>6.024</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - 0303135F COMSEC Cost																		
Recurring Cost																		
1. EVOLUTIONARY PKI END USER EQUIPMENT	-	-	-	0.000	19,988	3.260	0.000	41,005	5.484	0.000	88,320	4.433	-	-	-	0.000	88,320	4.433
2. AIR FORCE DIRECTORY SERVICES	-	-	-	0.146	5	0.730	0.149	5	0.743	0.147	7	1.031	-	-	-	0.147	7	1.031
3. LESS THAN MEDIUM ASSURANCE PKI	-	-	-	0.027	10	0.270	0.027	41	1.120	0.028	20	0.560	-	-	-	0.028	20	0.560
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.260	-	-	7.347	-	-	6.024	-	-	-	-	-	6.024
<i>Subtotal: Hardware - 0303135F COMSEC Cost</i>	-	-	-	-	-	<b>4.260</b>	-	-	<b>7.347</b>	-	-	<b>6.024</b>	-	-	-	-	-	<b>6.024</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>4.260</b>	-	-	<b>7.347</b>	-	-	<b>6.024</b>	-	-	-	-	-	<b>6.024</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1				<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment			<b>Item Number / Title [DODIC]:</b> Information Systems Security Program		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	62.531	84.470	92.576	-	92.576
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	62.531	84.470	92.576	-	92.576
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>62.531</b>	<b>84.470</b>	<b>92.576</b>	-	<b>92.576</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - 1. AIR and GROUND COMSEC (PE 0303140F) Cost</b>																		
Recurring Cost																		
a. IN-LINE NETWORK ENCRYPTORS <sup>(†)</sup>	-	-	-	0.014	1,426	19.963	0.013	2,019	26.279	0.013	1,542	20.307	-	-	-	0.013	1,542	20.307
b. AIR AND GROUND CONSOLIDATED <sup>(†)</sup>	-	-	-	0.004	4,980	18.055	0.005	5,069	24.580	0.010	4,627	46.274	-	-	-	0.010	4,627	46.274
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<b>38.018</b>	-	-	<b>50.859</b>	-	-	<b>66.581</b>	-	-	-	-	-	<b>66.581</b>
<i>Subtotal: Hardware - 1. AIR and GROUND COMSEC (PE 0303140F) Cost</i>	-	-	-	-	-	<b>38.018</b>	-	-	<b>50.859</b>	-	-	<b>66.581</b>	-	-	-	-	-	<b>66.581</b>
<b>Hardware - 2. CRYPTOGRAPHIC MODERNIZATION (PE 0303140F) Cost</b>																		
Recurring Cost																		
a (1). KIV-78 <sup>(†)</sup>	-	-	-	-	-	-	0.004	1,186	5.223	0.004	2,941	11.764	-	-	-	0.004	2,941	11.764
b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES <sup>(†)</sup>	-	-	-	0.010	2,230	22.413	0.011	1,882	20.889	0.011	474	5.213	-	-	-	0.011	474	5.213
d. MINI CRYPTO	-	-	-	0.001	157	0.157	0.001	160	0.160	-	-	-	-	-	-	-	-	-
e. PROGRAM MANAGEMENT (PMA)	-	-	-	-	-	1.943	-	-	2.763	-	-	1.953	-	-	-	-	-	1.953
b. (3) REMOTE CONTROL UNIT (RCU)	-	-	-	-	-	-	0.009	345	3.077	0.009	335	3.016	-	-	-	0.009	335	3.016
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<b>24.513</b>	-	-	<b>32.112</b>	-	-	<b>21.946</b>	-	-	-	-	-	<b>21.946</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1						<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment						<b>Item Number / Title [DODIC]:</b> Information Systems Security Program					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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: Hardware - 2. CRYPTOGRAPHIC MODERNIZATION (PE 0303140F) Cost</i>	-	-	-	-	-	24.513	-	-	32.112	-	-	21.946	-	-	-	-	-	21.946
Hardware - 3. AF KMI (PE 0303140F) Cost																		
Recurring Cost																		
a. KMI HARDWARE	-	-	-	-	-	-	0.004	393	1.499	0.004	1,012	4.049	-	-	-	0.004	1,012	4.049
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	1.499	-	-	4.049	-	-	-	-	-	4.049
<i>Subtotal: Hardware - 3. AF KMI (PE 0303140F) Cost</i>	-	-	-	-	-	-	-	-	1.499	-	-	4.049	-	-	-	-	-	4.049
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	62.531	-	-	84.470	-	-	92.576	-	-	-	-	-	92.576

**Remarks:**

COMSEC Equipment is procured as a centrally managed item using 3080. Various units have various price-per-unit values. Average Unit Cost used.

3. AFKMI (PE 0303140F) a. KMI Hardware is also included under 1. Air and Ground COMSEC (PE 0303140F) b. Air and Ground Consolidated.

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

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1	<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment	<b>Item Number / Title [DODIC]:</b> Information Systems Security Program
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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
a. IN-LINE NETWORK ENCRYPTORS <sup>(†)</sup>		2022	General Dynamics / Various	Various	NSA	Nov 2021	Jan 2022	1,426	0.014	Y		
a. IN-LINE NETWORK ENCRYPTORS		2023	General Dynamics / Various	Various	NSA	Nov 2022	Jan 2023	2,019	0.013	Y		
a. IN-LINE NETWORK ENCRYPTORS <sup>(†)</sup>		2024	General Dynamics / Various	Various	NSA	Nov 2023	Jan 2024	1,542	0.013	Y		
b. AIR AND GROUND CONSOLIDATED <sup>(†)</sup>		2022	Raytheon / Florida	Various	CPSG	Mar 2022	Apr 2023	4,980	0.004	Y		
b. AIR AND GROUND CONSOLIDATED <sup>(†)</sup>		2023	Raytheon / Florida	Various	CPSG	Mar 2023	Apr 2024	5,069	0.005	Y		
b. AIR AND GROUND CONSOLIDATED <sup>(†)</sup>		2024	Raytheon / Florida	Various	CPSG	Mar 2024	Apr 2025	4,627	0.010	Y		
a (1). KIV-78 <sup>(†)</sup>		2023	General Dynamics / Arizona	Various	CPSG	Sep 2023	Oct 2024	1,186	0.004	Y		
a (1). KIV-78 <sup>(†)</sup>		2024	General Dynamics / Arizona	Various	CPSG	Sep 2024	Oct 2025	2,941	0.004	Y		
b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES <sup>(†)</sup>		2022	Raytheon / Florida	Various	NSA	Mar 2022	Apr 2023	2,230	0.010	Y		
b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES <sup>(†)</sup>		2023	Raytheon / Florida	Various	NSA	Mar 2023	Apr 2024	1,882	0.011	Y		
b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES <sup>(†)</sup>		2024	Raytheon / Florida	Various	NSA	Mar 2024	Apr 2025	474	0.011	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1	<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment	<b>Item Number / Title [DODIC]:</b> Information Systems Security Program
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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. IN-LINE NETWORK ENCRYPTORS</b>																																			
	1	2022	AF	1,426	0	1,426																								55					
	1	2024	AF	1,542	0	1,542																								1,542					
<b>b. AIR AND GROUND CONSOLIDATED</b>																																			
	2	2022	AF	4,980	0	4,980																								0					
	2	2023	AF	5,069	0	5,069																								5,069					
	2	2024	AF	4,627	0	4,627																								4,627					
<b>a (1). KIV-78</b>																																			
	3	2023	AF	1,186	0	1,186																								1,186					
	3	2024	AF	2,941	0	2,941																								2,941					
<b>b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES</b>																																			
	4	2022	AF	2,230	0	2,230																								0					
	4	2023	AF	1,882	0	1,882																								1,882					
	4	2024	AF	474	0	474																								474					
							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					



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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. IN-LINE NETWORK ENCRYPTORS</b>																																	
	1	2022	AF	1,426	1,371	55																							55				
	1	2024	AF	1,542	0	1,542				A -																			0				
<b>b. AIR AND GROUND CONSOLIDATED</b>																																	
	2	2022	AF	4,980	4,980	0																							0				
	2	2023	AF	5,069	0	5,069	-	-	-	-	-	-	-	5,069															0				
	2	2024	AF	4,627	0	4,627							A -														4,627	0					
<b>a (1). KIV-78</b>																																	
	3	2023	AF	1,186	0	1,186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,186									0			
	3	2024	AF	2,941	0	2,941													A -									2,941					
<b>b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES</b>																																	
	4	2022	AF	2,230	2,230	0																							0				
	4	2023	AF	1,882	0	1,882	-	-	-	-	-	-	-	1,882															0				
	4	2024	AF	474	0	474							A -														474	0					
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026														Fiscal Year 2027														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							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. IN-LINE NETWORK ENCRYPTORS</b>																																			
	1	2022	AF	1,426	1,371	55																							55						
	1	2024	AF	1,542	1,542	0																							0						
<b>b. AIR AND GROUND CONSOLIDATED</b>																																			
	2	2022	AF	4,980	4,980	0																							0						
	2	2023	AF	5,069	5,069	0																							0						
	2	2024	AF	4,627	4,627	0																							0						
<b>a (1). KIV-78</b>																																			
	3	2023	AF	1,186	1,186	0																							0						
	3	2024	AF	2,941	0	2,941	2,941																						0						
<b>b. (2) VINSON/ANDVT CRYPTOGRAPHIC MODERNIZATION (VACM) DEVICES</b>																																			
	4	2022	AF	2,230	2,230	0																							0						
	4	2023	AF	1,882	1,882	0																							0						
	4	2024	AF	474	474	0																							0						
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 1	<b>P-1 Line Item Number / Title:</b> 831010 / Comsec Equipment	<b>Item Number / Title [DODIC]:</b> Information Systems Security Program
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics - Various	500	500	2,500	0	0	0	0	3,636	2	2	4
2	Raytheon - Florida	500	500	5,500	0	0	0	0	9,999	6	13	19
3	General Dynamics - Arizona	700	700	3,000	0	0	0	0	1,186	12	13	25
4	Raytheon - Florida	350	350	1,000	0	0	0	0	4,191	6	13	19

"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 2024 Air Force **Date:** March 2023

**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:** 831020 / STRATEGIC MICROELECTRONIC SUPPLY SYSTEM

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

**Line Item MDAP/MAIS Code:** N/A

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	885.051	467.901	0.000	-	0.000	0.000	0.000	0.000	0.000	-	1,352.952
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	885.051	467.901	0.000	-	0.000	0.000	0.000	0.000	0.000	-	1,352.952
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>885.051</b>	<b>467.901</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>1,352.952</b>

*(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:**

Time Sensitive Critical item Procurement:

Funds procurement of commercial items going out of production within the FYDP.

This was a new start in FY22.

**Justification:**

Strategic Microelectronic Supply Items

Funds procurement of commercial microelectronic items going out of production within the Future Year Defense Program (FYDP). Procurement of these items is necessary to ensure assets are available for on-going Department of Defense acquisition programs; to avoid breaks in program schedule or production quantities. This line item includes the Life of Type Buys of critical microelectronic components in advance of commercial manufacturing line closures. It will be a new start in FY22. Detailed information is classified and will be provided on a need to know basis.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs	<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305600F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	5.809	7.043	5.393	-	5.393	4.672	4.903	5.086	5.195	-	38.101
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	5.809	7.043	5.393	-	5.393	4.672	4.903	5.086	5.195	-	38.101
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>5.809</b>	<b>7.043</b>	<b>5.393</b>	-	<b>5.393</b>	<b>4.672</b>	<b>4.903</b>	<b>5.086</b>	<b>5.195</b>	-	<b>38.101</b>

*(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:**

International Intelligence Technology and Architectures (IITA) oversees, manages, and provides the United States (US) component of the multi-national Battlefield Information Collection and Exploitation System (BICES) with a collaborative environment and intelligence sharing enterprise required for processing and dissemination critical intelligence information among US, North Atlantic Treaty Organization (NATO), allied and coalition forces. The US BICES program procures communications and electronic equipment, support equipment, accessories, and specialized equipment to deliver a more mature, robust and dynamic suite of capabilities for intelligence information sharing across the US BICES/US BICES Extended (US BICES-X) system. US BICES-X is a multi-level, secure system that uses releasable elements of the Defense Intelligence Information Enterprise (DI2E) framework, and functions to support the full spectrum of intelligence operations and dissemination across Department of Defense (DoD), Combat Support Agencies (CSA), and multiple Combatant Commands (CCMD) for the Office of the Under Secretary of Defense, Intelligence and Security (OUSD(I&S)). US BICES/US BICES-X has been designated the enduring intelligence and information sharing component of the Mission Partner Environment (MPE). Funding for this exhibit contained in PE 0305600F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 832050 / International Intel Tech & Architectures

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305600F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	International Intel Tech & Architectures	P-5a, P-21	A		- / -	- / 5.809	- / 7.043	- / 5.393	- / -	- / 5.393
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 5.809</b>	<b>- / 7.043</b>	<b>- / 5.393</b>	<b>- / -</b>	<b>- / 5.393</b>

\*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 sum exactly due to rounding.

**Justification:**  
 In response to CCMD requirements, funding for US BICES/US BICES-X capabilities implements OUSD(I&S) global intelligence sharing arrangements. FY2024 funding will support J2 (Joint Intelligence) network requirements to exchange intelligence information with bi-lateral, multi-lateral, and NATO partners. Mission Partner Capability Office will procure the hardware/software/services required to provide system capability improvements such as, cross-domain solutions, communications infrastructure, network equipment, storage and backup, encryption equipment, and software licenses necessary to modify US BICES-X capabilities, as the core infrastructure and enterprise for the intelligence component of the DoD MPE.



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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures	<b>Item Number / Title [DODIC]:</b> International Intel Tech & Architectures
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	5.809	7.043	5.393	-	5.393
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	5.809	7.043	5.393	-	5.393
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>5.809</b>	<b>7.043</b>	<b>5.393</b>	-	<b>5.393</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - International Intel Tech &amp; Architectures Cost</b>																		
Non Recurring Cost																		
Non-DWCF Investment Electronic and Telecommunication equipment <sup>(1)</sup>	-	-	-	5.309	1	5.309	6.543	1	6.543	4.893	1	4.893	-	-	-	4.893	1	4.893
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	5.309	-	-	6.543	-	-	4.893	-	-	-	-	-	4.893
<i>Subtotal: Hardware - International Intel Tech &amp; Architectures Cost</i>	-	-	-	-	-	<b>5.309</b>	-	-	<b>6.543</b>	-	-	<b>4.893</b>	-	-	-	-	-	<b>4.893</b>
<b>Support - International Intel Tech &amp; Architectures Cost</b>																		
Non-DWCF Investment Electronic and Telecommunication equipment	-	-	-	0.500	1	0.500	0.500	1	0.500	0.500	1	0.500	-	-	-	0.500	1	0.500
<i>Subtotal: Support - International Intel Tech &amp; Architectures Cost</i>	-	-	-	-	-	<b>0.500</b>	-	-	<b>0.500</b>	-	-	<b>0.500</b>	-	-	-	-	-	<b>0.500</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>5.809</b>	-	-	<b>7.043</b>	-	-	<b>5.393</b>	-	-	-	-	-	<b>5.393</b>

**Remarks:**

Delivery Order for the Capital Computer Equipment Replacement Plan (CERP).  
 CERP procures hardware and software to establish US Battlefield Information Collection Exploitation Systems (US BICES) to establish capabilities as a core infrastructure and enterprise for the intelligence component of the DoD Mission Partner Environment (MPE) and enhanced capabilities for coalition Special Operations Command intelligence sharing capabilities.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures	<b>Item Number / Title [DODIC]:</b> International Intel Tech & Architectures
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures	<b>Item Number / Title [DODIC]:</b> International Intel Tech & Architectures
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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
Non-DWCF Investment Electronic and Telecommunication equipment <sup>(†)</sup>		2022	GDIT / Falls Church, VA	C / FFP	AA-CDM	Jul 2022	Aug 2023	1	5.309	Y		
Non-DWCF Investment Electronic and Telecommunication equipment <sup>(†)</sup>		2023	GDIT / Falls Church, VA	C / FFP	AA-CDM	Jul 2023	Aug 2024	1	6.543	Y		
Non-DWCF Investment Electronic and Telecommunication equipment <sup>(†)</sup>		2024	GDIT / Falls Church, VA	C / FFP	AA-CDM	Jul 2024	Aug 2026	1	4.893	Y		

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Air Force	Date: March 2023
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Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 2	P-1 Line Item Number / Title: 832050 / International Intel Tech & Architectures	Item Number / Title [DODIC]: International Intel Tech & Architectures
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023																	
							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							
Non-DWCF Investment Electronic and Telecommunication equipment																																					
1		2022	AF	1	0	1													A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	
1		2023	AF	1	0	1																											A	-	-	-	1
1		2024	AF	1	0	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							

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 2 **P-1 Line Item Number / Title:** 832050 / International Intel Tech & Architectures **Item Number / Title [DODIC]:** International Intel Tech & Architectures

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Non-DWCF Investment Electronic and Telecommunication equipment																															
1		2022	AF	1	1	0																							0		
1		2023	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
1		2024	AF	1	0	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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures	<b>Item Number / Title [DODIC]:</b> International Intel Tech & Architectures
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026													Fiscal Year 2027													B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026													Calendar Year 2027													
							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			
Non-DWCF Investment Electronic and Telecommunication equipment																																	
	1	2022	AF	1	1	0																							0				
	1	2023	AF	1	1	0																							0				
	1	2024	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1											0			
							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			

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2				<b>P-1 Line Item Number / Title:</b> 832050 / International Intel Tech & Architectures				<b>Item Number / Title [DODIC]:</b> International Intel Tech & Architectures				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GDIT - Falls Church, VA	1	1	2	0	0	0	0	1	10	25	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-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	5.719	2.424	5.012	-	5.012	5.142	5.282	5.500	5.618	-	34.697
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	5.719	2.424	5.012	-	5.012	5.142	5.282	5.500	5.618	-	34.697
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>5.719</b>	<b>2.424</b>	<b>5.012</b>	-	<b>5.012</b>	<b>5.142</b>	<b>5.282</b>	<b>5.500</b>	<b>5.618</b>	-	<b>34.697</b>

*(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 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, ground and airborne language analysts, airborne intelligence, surveillance, and reconnaissance analysts, network analysts, and all communications (except communications security) and electronic intelligence analysts. The systems support multiple intelligence, surveillance, and reconnaissance applications. The major focus of the systems is to provide the sole source for functional training on the newest generation of intelligence systems with an emphasis on computer-based training systems through modeling and simulation. This equipment is critical in preparing military intelligence personnel to support warfighting commanders and the National Intelligence Program (NIP). The equipment supports enterprise-wide intelligence training for Air Force (AF), Department of Defense (DoD), Department of Homeland Security (DHS), and Joint/Coalition partner personnel at Goodfellow Air Force Base (GAFB), Texas.

PE 84733F GENERAL INTELLIGENCE SKILL TRAINING (GIST)

GOODFELLOW INTELLIGENCE TRAINING ARCHITECTURE (GITA) UPGRADE: Continues to incorporate new equipment to support the development of the enterprise architecture, consolidating multiple networks and systems into a single, integrated GITA for training.

Funding for this exhibit contained in PE 84733F.

PE 84733F GENERAL INTELLIGENCE SKILL TRAINING

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Intelligence Training Equipment	P-5a, P-21	A		- / -	- / 5.719	- / 2.424	- / 5.012	- / -	- / 5.012
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 5.719</b>	<b>- / 2.424</b>	<b>- / 5.012</b>	<b>- / -</b>	<b>- / 5.012</b>

\*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 sum exactly due to rounding.

**Justification:**

PE 0804733F GENERAL INTELLIGENCE SKILL TRAINING

GOODFELLOW INTELLIGENCE TRAINING ARCHITECTURE (GITA) FY24 funding will be used on the GITA infrastructure to modernize/upgrade the training network backbone and delivery systems supporting over 7,900 students annually. Upgrades ensure that GITA meets/exceeds the latest in cyber security requirements at each security level. GITA provides lifecycle support of the hardware and software required to deliver training designed to meet operational customer requirements. GITA encompasses the following: student workstations; network; servers; storage solutions; thin client technology; scenario-based modeling and simulation models; courseware development software; delivery servers; application hardware; and networking equipment. GITA aligns technologies with advanced teaching techniques; increases system capabilities to support ever-evolving operational intelligence tools; and addresses uncertainty in continued sustainment capabilities to reduce failure rates and outages

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832060 / Intelligence Training Equipment	<b>Item Number / Title [DODIC]:</b> Intelligence Training Equipment
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	5.719	2.424	5.012	-	5.012
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	5.719	2.424	5.012	-	5.012
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>5.719</b>	<b>2.424</b>	<b>5.012</b>	-	<b>5.012</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Intelligence Training Equipment Cost																		
Recurring Cost																		
Equipment Modernization <sup>(t)</sup>	-	-	-	5.719	1	5.719	2.424	1	2.424	5.012	1	5.012	-	-	-	5.012	1	5.012
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.719	-	-	2.424	-	-	5.012	-	-	-	-	-	5.012
<i>Subtotal: Software - Intelligence Training Equipment Cost</i>	-	-	-	-	-	5.719	-	-	2.424	-	-	5.012	-	-	-	-	-	5.012
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	5.719	-	-	2.424	-	-	5.012	-	-	-	-	-	5.012

**Remarks:**

Procurement funds are for a IT system architecture and not individual units. The exhibit will not reflect unit price.

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832060 / Intelligence Training Equipment	<b>Item Number / Title [DODIC]:</b> Intelligence Training Equipment
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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
Equipment Modernization <sup>(†)</sup>		2022	Various / Various	Various	TBD	May 2022	Nov 2022	1	5.719	Y		Feb 2022
Equipment Modernization <sup>(†)</sup>		2023	Various / Various	Various	TBD	May 2023	Nov 2023	1	2.424	Y		Feb 2023
Equipment Modernization <sup>(†)</sup>		2024	TBD / TBD	TBD	TBD	May 2024	Nov 2024	1	5.012	Y		Feb 2024

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 2 **P-1 Line Item Number / Title:** 832060 / Intelligence Training Equipment **Item Number / Title [DODIC]:** Intelligence Training Equipment

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Equipment Modernization																															
1		2022	AF	1	0	1																								0	
1		2023	AF	1	0	1																								1	
2		2024	AF	1	0	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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832060 / Intelligence Training Equipment	<b>Item Number / Title [DODIC]:</b> Intelligence Training Equipment
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Equipment Modernization																																			
	1	2022	AF	1	1	0																								0					
	1	2023	AF	1	0	1	-	1																						0					
	2	2024	AF	1	0	1																								0					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832060 / Intelligence Training Equipment	<b>Item Number / Title [DODIC]:</b> Intelligence Training Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various				0	0	0	0	0	0	0	0	0
2	TBD - TBD			50	0	0	0	0	0	0	8	6	14

"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 2024 Air Force **Date:** March 2023

**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 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	30.524	25.308	40.042	-	40.042	39.927	35.373	35.736	34.734	-	241.644
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	30.524	25.308	40.042	-	40.042	39.927	35.373	35.736	34.734	-	241.644
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>30.524</b>	<b>25.308</b>	<b>40.042</b>	-	<b>40.042</b>	<b>39.927</b>	<b>35.373</b>	<b>35.736</b>	<b>34.734</b>	-	<b>241.644</b>

*(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:**

PE 0207431F Combat Air Intelligence System Activities - P-40A  
 Enhanced GEOSPATIAL PRODUCT LIBRARY (eGPL): eGPL 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 & Center of Excellence (COE): ULI fields the Toolkit for Intelligence Targeting Analysis (TITAN) and Targeting Application Workstation (TAW) systems which are used by intelligence analysts to produce Targeting and Mission Planning materials. The ULI COE provides reach back support for the field units on hardware and software issues. The COE also provides MX/IA patch development and distribution services.

JOINT TARGETING TOOLBOX (JTT): Provides JTT servers for interfacing programs to test against. Servers are needed on Unclassified, Secret, and TS/SCI environments and will require software licenses to support operations.

Targeting and Geospatial-Intelligence (T&G) Program Management Office (PMO): Provides the infrastructure that enables the agile development, sustainment, and fielding of new T&G capabilities, and ensures that the technical baseline is established and controlled by the Government. Sustainment includes help desk support, documentation, information assurance, STIGs/TCNOs, software patches and fixes. Fielding supports ULI, eGPL, JTT, IOTA, and any new T&G capability not fielded via other paths. This program is part of the overarching Kessel Run portfolio

PE 0305022F ISR Modernization & Automation Dvmt (IMAD) - P-40A  
 IMAD develops and demonstrates technology required to implement automation and machine intelligence on ISR systems. It is an innovation-driven fund which enables new technologies, capabilities, and Airman ideas to receive "kick-start funding. SECAF directed the AF to invest in a more automated environment to relieve strain on manpower in the out years. IMAD was started to create ISR enterprise-wide effects using machine intelligence.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

PE 0305146F Defense Joint Counterintelligence Activities - P-40A  
 Enables Cyber Counterintelligence and Technical Surveillance/Technical Surveillance Countermeasures (TSCM) support to counterintelligence operations conducted by the Air Force Office of Special Investigations (AFOSI) 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, and is a part of the formally designated USAF TSCM weapons system and/or the Cyber Counterintelligence suite of tools.

PE 0305179F Integrated Broadcast Service (IBS) - P-40A  
 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. In FY23 and FY24 Modernization efforts continue to expand to updated UHF SATCOM Wide-band Code Division Multiple Access broadcasts, receiver software to drive interoperability and integrated next generation terminals at Common Integrated Broadcast Uplink sites.

PE 0305192F Military Intelligence Program (MIP) Activities - P-40A  
 Will fund information recovery technology for Enterprise Service Centers. Funds will also be used to procure servers, storage devices, associated hardware upgrades, and installation costs.

PE 0305221F Network-Centric Collaborative Targeting - P-40A  
 Network Centric Collaborative Targeting (NCCT) is the Air Force program of record for platform agnostic, cooperative geo-location and is responsible for developing the fusion engine supporting the horizontal and/or vertical integration of Joint Intelligence, Surveillance and Reconnaissance (ISR) sensor systems. The result of this integration is a multi-intelligence (multi-INT) sensor network. Operationally, NCCT provides a tactical collaborative multi-INT geolocation capability employed against high-value targets. NCCT software supports Machine-to-Machine (M2M) cross-cueing and Internet Protocol (IP) connectivity to coordinate collection activities across the NCCT network. NCCT's time-sensitive targeting, utilization of intelligent sensor mesh networks, multi-INT fusion, multi-level security, automated tip and cueing are key contributions to the Sensing Grid's sensing, sense making, integration, and global orchestration thrusts.

NCCT correlation and fusion software ingests collection data to produce a single, composite track (geolocation and identification) in near real-time for high-value targets. NCCT research and development funding supports evolutionary studies and development of the NCCT message set and network management systems (for example Operations Interfaces, Network Controllers, Fusion Engines, Data Guards, Interface to Command & Control, and Interface to All-Domain Overhead Cooperative Operations (AOCO)), and global web-enabled services, while satisfying DoD standards and Information Assurance requirements.

NCCT includes network management software, a network messaging standard, correlation and fusion software, software supporting tactical-to-national Signals Intelligence (SIGINT) Concept of Operations (CONOPS), multi-level security hardware and software items, and operator interfaces. NCCT procurement funding supports hardware, software, software licenses, and maintenance agreements for hardware and software refreshes required to ensure on-going NCCT operations of NCCT software and program-owned hardware, and global web-enabled services, while satisfying DoD standards and Information Assurance (IA) requirements. As of the end of FY21, NCCT has adopted the DevSecOps process approach where capabilities are developed and integrated rapidly, leveraging agile software development methods.

Funding for this exhibit contained in PE 0305221F.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0307577F Intelligence Mission Data (IMD) - P-40A Funding will enable procurement of equipment for Advanced NCTR Collect and storage systems supporting Operational Reconnaissance data automation.ai</p> <p>PE 0305220F RQ-4 FY24 funds will be used to procure ground sites infrastructure needed for SATCOM modernization known as Open Remote Split Operations (RSO) Architecture (ORA). Modernization will increase capability from 8 to 28 independent links, increase reliability and resiliency. RQ-4B operates and sustains three separate SATCOM Gateway sites at Ramstein AB, Germany (EUR-2), NAS Sigonella, Italy (EUR-3), and Kadena AB, Japan (PAC-1). In addition, the RQ-4B operates from three Forward Operating Locations, one co-located with EUR-3 and two others at Andersen AFB, Guam and Yokota AB, Japan. . In total, the SATCOM Gateway sites operate over 40 Fixed Site SATCOM Terminal (FSST) antenna systems capable of providing over 300 separate communications links delivering critical Command and Control (C2) for the RQ-4B and MQ-9 remotely piloted aircraft (RPA) fleets world-wide, SIGINT and ISR to DoD and National Agencies.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Combat Air Intelligence System Activities	P-5a, P-21	A		- / -	- / 3.066	- / 3.593	- / 17.742	- / -	- / 17.742
P-5	ISR Modernization & Automation Dvmt (IMAD)	P-5a, P-21	A		- / -	- / 3.468	- / 4.015	- / 0.000	- / -	- / 0.000
P-5	Defense Joint Counterintelligence Activities	P-5a, P-21	A		- / -	- / 2.691	- / 3.168	- / 2.840	- / -	- / 2.840
P-5	Integrated Broadcast Service (IBS)	P-5a, P-21	A		- / -	- / 13.825	- / 5.724	- / 11.568	- / -	- / 11.568
P-5	Military Intelligence Program (MIP) Activities	P-5a, P-21	A		- / -	- / 4.249	- / 5.009	- / 4.487	- / -	- / 4.487
P-5	Network-Centric Collaborative Targeting	P-5a, P-21	A		- / -	- / 3.225	- / 3.799	- / 3.405	- / -	- / 3.405
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 30.524	- / 25.308	- / 40.042	- / -	- / 40.042

\*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 sum exactly due to rounding.

**Justification:**

PE 0207431F Combat Air Intelligence System Activities -

ENHANCED GEOSPATIAL PRODUCT LIBRARY (EGPL): FY2024 funding provides for the capital equipment replacement of EGPL 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 & Center of Excellence (COE): FY2024 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. The COE is critical to the ULI mission performing all system integration work, functional testing, cyber security scans, MX/IA releases, help desk support, and fields the hardware and software components needed to successfully employ the Targeting Applications Workstation and the Toolkit for Intelligence Targeting Analysis.

JOINT TARGETING TOOLBOX (JTT): FY2024 funding will be used to provide software sustainment and fielding support for existing JTT operational instances. This includes Help Desk, training, and MX/IA patch updates. In addition, funding will support the testing and fielding of the JTT software into a non-GCCS stand alone cloud environment for greater accessibility and maintenance response capability.

Targeting and Geospatial Intelligence (T&G) PMO: FY-23 funding will be used to ensure the T&G PMO maintains management oversight of both the technical and programmatic aspects of existing T&G capabilities.

PE 0305022F ISR Modernization & Automation Dvmt (IMAD) -

FY2024 funding procures IT, tools and equipment to establish the ISR data lab. The data lab is the central location to provide data engineering and science support across the ISR enterprise. The IT equipment is required for kill chain automation to centrally manage ISR data wrangling, data aggregation, AI/machine learning, tool development, and automation.

PE 0305146F Defense Joint Counterintelligence Activities -

FY2024 funding procures the periodic refresh of equipment to provide state of the art capabilities to detect and neutralize foreign intelligence entity (FIE) and criminal activities targeted against sensitive and classified AF and DoD information and activities.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0305179F Integrated Broadcast Service (IBS) - FY2024 funding for IBS procurement efforts are focused in the following areas:</p> <ol style="list-style-type: none"> <li>1. CIB Uplink Site (CUS): 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 requirements, and system security. The new release supports migration to CIB Uplink Sites.</li> <li>2. Common Interactive Broadcast/Integrated Waveform Planning Tool (CIB/IW-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.</li> <li>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.</li> <li>4. IBS Verification and Validation (V&amp;V)/Test Environment: Procures simulation and simulation tools to test, certify and verify mission equipment for operational use. Included is software/hardware/firmware components of the IBS test and V&amp;V 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.</li> <li>5. Terminal, Datalink, Enterprise Server Mitigation: Funds direct mission support activities such as verification &amp; validation documentation; uplink receive and transmit terminal upgrade, enhancements and spares; mitigation; CMF product support; Joint Tactical Data Link, i.e., Link 16 support; Embedded National Tactical Receiver (ENTR); product documentation; studies and analyses; IBS Web Support and contractor system engineering activities.</li> <li>6. IBS-NS: Scaling capability is required for messaging under operational use. Funds approved modernization of Global IBS Network Servers (GINS) and Theater Interface Nodes (TINS), technology refreshment and integration as necessitated by mission changes, system interoperability, and system security.</li> <li>7. Downlink Monitoring Element (DME): Monitoring tool that monitors IBS activity.</li> <li>8. IBS Next Generation: Supports the IBS Next Generation and IS-CDD requirements that will include migration of functionality to cloud hosted enterprise services in support of Advanced Battle Management Systems and Joint All Domain Command and Control</li> </ol> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p> <p>PE 0305192F Military Intelligence Program (MIP) Activities - FY2024 funding will procure information recovery technology for Enterprise Service Centers. Funds will also be used to procure servers, storage devices, associated hardware upgrades, and installation costs.</p> <p>PE 0305221F Network-Centric Collaborative Targeting - FY 2024 funding will be utilized to support continued integration of new multi-INT use cases on new and emerging platforms, the continuation of rapid software deliveries and installs, and continued participation in Joint demonstrations and exercises as necessary.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 2: Intelligence Programs		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Due to the rapidly changing threat environment, NCCT's DevSecOps processes, and operational demand from platforms leveraging NCCT capabilities, the acquisition program manager has the authority to redirect funding as necessary to meet currently stated and/or emerging operational requirements. NCCT efforts include, but are not limited to, fielding activities such as associated system integration, assembly, test and checkout; certification; non-developmental mission system upgrades, software integration and updates, software licenses, systems engineering, test and evaluation, support equipment, and PMA.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Combat Air Intelligence System Activities

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.066	3.593	17.742	-	17.742
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	3.066	3.593	17.742	-	17.742
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>3.066</b>	<b>3.593</b>	<b>17.742</b>	-	<b>17.742</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Combat Air Intelligence System Activities Cost</b>																		
Recurring Cost																		
ULI/eGPL Equipment Systems <sup>(t)</sup>	-	-	-	1.500	1	1.500	2.330	1	2.330	2.079	1	2.079	-	-	-	2.079	1	2.079
Deployable JWICS	-	-	-	-	-	-	-	-	-	0.164	34	5.562	-	-	-	0.164	34	5.562
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.500	-	-	2.330	-	-	7.641	-	-	-	-	-	7.641
Non Recurring Cost																		
CAIS PE 0207431F	-	-	-	0.346	1	0.346	0.352	1	0.352	0.365	1	0.365	-	-	-	0.365	1	0.365
MILCON Fitout	-	-	-	-	-	-	-	-	-	8.943	1	8.943	-	-	-	8.943	1	8.943
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.346	-	-	0.352	-	-	9.308	-	-	-	-	-	9.308
<i>Subtotal: Hardware - Combat Air Intelligence System Activities Cost</i>	-	-	-	-	-	1.846	-	-	2.682	-	-	16.949	-	-	-	-	-	16.949
<b>Support - Combat Air Intelligence System Activities Cost</b>																		
Program Management Administration	-	-	-	-	-	0.335	-	-	-	-	-	-	-	-	-	-	-	-
Advisory & Assistance Services (DMS)	-	-	-	-	-	0.885	-	-	0.911	-	-	0.793	-	-	-	-	-	0.793
<i>Subtotal: Support - Combat Air Intelligence System Activities Cost</i>	-	-	-	-	-	1.220	-	-	0.911	-	-	0.793	-	-	-	-	-	0.793
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>3.066</b>	-	-	<b>3.593</b>	-	-	<b>17.742</b>	-	-	-	-	-	<b>17.742</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Combat Air Intelligence System Activities
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT				<b>Item Number / Title [DODIC]:</b> Combat Air Intelligence System Activities				

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
ULI/eGPL Equipment Systems <sup>(†)</sup>		2022	Various / Various	C / FFP	AFLCMC Hanscom AFB	Mar 2023	May 2023	1	1.500	Y		Feb 2023
ULI/eGPL Equipment Systems <sup>(†)</sup>		2023	Various / Various	C / FFP	AFLCMC Hanscom AFB	Apr 2023	Jun 2023	1	2.330	Y		Mar 2023
ULI/eGPL Equipment Systems <sup>(†)</sup>		2024	Various / Various	C / FFP	AFLCMC Hanscom AFB	Apr 2024	Jun 2024	1	2.079	Y		Mar 2024

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																<b>Date:</b> March 2023															
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Combat Air Intelligence System Activities											

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
ULI/eGPL Equipment Systems																															
1		2022	AF	1	0	1																									0
1		2023	AF	1	0	1																									0
1		2024	AF	1	0	1																									0
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Combat Air Intelligence System Activities

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various			10	1	0	0	0	0	0	7	2	9

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> ISR Modernization & Automation Dvmt (IMAD)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	3.468	4.015	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	3.468	4.015	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>3.468</b>	<b>4.015</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - ISR Modernization & Automation Dvmt (IMAD) Cost																		
Recurring Cost																		
IT Infrastructure <sup>(†)</sup>	-	-	-	3.468	1	3.468	4.015	1	4.015	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.468	-	-	4.015	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - ISR Modernization &amp; Automation Dvmt (IMAD) Cost</i>	-	-	-	-	-	3.468	-	-	4.015	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.468	-	-	4.015	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**  
IMAD (0305022F) Other Procurement Funds for FY22 have not been executed or obligated as of 03/29/2022

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT					<b>Item Number / Title [DODIC]:</b> ISR Modernization & Automation Dvmt (IMAD)				
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
IT Infrastructure <sup>(†)</sup>		2022	AFMC / Dayton, OH	FFRDC	AFLCMC Wright Patterson AFB	Jan 2022	Jun 2022	1	3.468	Y		Nov 2021
IT Infrastructure <sup>(†)</sup>		2023	AFMC / Dayton. OH	FFRDC	AFLCMC Wright Patterson AFB	Jan 2023	Jun 2023	1	4.015	Y		Nov 2022

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> ISR Modernization & Automation Dvmt (IMAD)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
IT Infrastructure																																	
	1	2022	AF	1	0	1				A	-	-	-	-	-	-	1													0			
	2	2023	AF	1	0	1														A	-	-	-	-	-	1				0			
							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			

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
		<b>Item Number / Title [DODIC]:</b> ISR Modernization & Automation Dvmt (IMAD)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	AFMC - Dayton, OH				0	0	0	0	0	0	0	0	0
2	AFMC - Dayton. OH	1	1	100	0	0	0	0	1	4	5	9	

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2						<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT						<b>Item Number / Title [DODIC]:</b> Defense Joint Counterintelligence Activities						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity ( <i>Units in Each</i> )				-		-		-		-		-		-				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-		2.691		3.168		2.840		-		2.840				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-		2.691		3.168		2.840		-		2.840				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-		<b>2.691</b>		<b>3.168</b>		<b>2.840</b>		-		<b>2.840</b>				
<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 sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>
Hardware - Counterintelligence Cyber Activities Cost																		
Recurring Cost																		
CCA <sup>(†)</sup>	-	-	-	2.191	1	2.191	2.668	1	2.668	2.316	1	2.316	-	-	-	2.316	1	2.316
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.191	-	-	2.668	-	-	2.316	-	-	-	-	-	2.316
<i>Subtotal: Hardware - Counterintelligence Cyber Activities Cost</i>	-	-	-	-	-	2.191	-	-	2.668	-	-	2.316	-	-	-	-	-	2.316
Hardware - Technical Surveillance Activities Cost																		
Recurring Cost																		
TSA	-	-	-	0.029	17	0.500	0.029	17	0.500	0.029	18	0.524	-	-	-	0.029	18	0.524
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.500	-	-	0.500	-	-	0.524	-	-	-	-	-	0.524
<i>Subtotal: Hardware - Technical Surveillance Activities Cost</i>	-	-	-	-	-	0.500	-	-	0.500	-	-	0.524	-	-	-	-	-	0.524
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	2.691	-	-	3.168	-	-	2.840	-	-	-	-	-	2.840

(†) indicates the presence of a P-5a



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT				<b>Item Number / Title [DODIC]:</b> Defense Joint Counterintelligence Activities				

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
CCA <sup>(†)</sup>		2022	Various / Various	MIPR	AFDW	Jan 2022	Jan 2022	1	2.191	Y		Nov 2021
CCA <sup>(†)</sup>		2023	Various / Various	MIPR	AFDW	Jan 2023	Jan 2023	1	2.668	Y		Nov 2022
CCA <sup>(†)</sup>		2024	Various / Various	MIPR	AFDW	Jan 2024	Jan 2024	1	2.316	Y	Dec 2023	

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Defense Joint Counterintelligence Activities									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
CCA																																			
	1	2022	AF	1	0	1																								0					
	1	2023	AF	1	0	1																								0					
	1	2024	AF	1	0	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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
<b>Item Number / Title [DODIC]:</b> Defense Joint Counterintelligence Activities	

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024											Fiscal Year 2025											BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024											Calendar Year 2025													
							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
CCA																															
	1	2022	AF	1	1	0																									0
	1	2023	AF	1	1	0																									0
	1	2024	AF	1	0	1												A1												0	
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
		<b>Item Number / Title [DODIC]:</b> Defense Joint Counterintelligence Activities

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various			5	0	0	0	0	0	0	4	0	4

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	13.825	5.724	11.568	-	11.568
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	13.825	5.724	11.568	-	11.568
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>13.825</b>	<b>5.724</b>	<b>11.568</b>	-	<b>11.568</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - IBS Network Services Cost</b>																		
Non Recurring Cost																		
Common Domain Solution HW	-	-	-	0.034	25	0.850	-	-	-	-	-	-	-	-	-	-	-	-
Msg Accountability HW/SW	-	-	-	0.438	1	0.438	-	-	-	-	-	-	-	-	-	-	-	-
SW Licenses	-	-	-	0.614	1	0.614	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	1.902	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - IBS Network Services Cost</i>	-	-	-	-	-	1.902	-	-	-	-	-	-	-	-	-	-	-	-
<b>Hardware - IBS Enterprise Services Cost</b>																		
Non Recurring Cost																		
UCTS	-	-	-	0.924	1	0.924	-	-	-	-	-	-	-	-	-	-	-	-
P-5 Matrix Switch HW	-	-	-	1.060	1	1.060	-	-	-	-	-	-	-	-	-	-	-	-
Thornton TRANSEC Algorithm Modernized (TTAM) Crypto HW kits	-	-	-	0.048	10	0.480	-	-	-	-	-	-	-	-	-	-	-	-
PRC-117G Upgrades	-	-	-	-	-	-	0.012	10	0.120	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	2.464	-	-	0.120	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - IBS Enterprise Services Cost</i>	-	-	-	-	-	2.464	-	-	0.120	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2						<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT						<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - IBS Common Integrated Broadcast Uplink Site (CUS) Cost</b>																		
Non Recurring Cost																		
CUS Install/HW	-	-	-	0.232	1	0.232	0.677	1	0.677	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.232	-	-	0.677	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - IBS Common Integrated Broadcast Uplink Site (CUS) Cost</i>	-	-	-	-	-	0.232	-	-	0.677	-	-	0.000	-	-	-	-	-	0.000
<b>Software - Integrated Broadcast Service (IBS) Next Gen Cost Cost</b>																		
Non Recurring Cost																		
Edge-Node IBS Next Gen Hardware/ Software <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	7.301	1	7.301	-	-	-	7.301	1	7.301
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.301	-	-	-	-	-	7.301
<i>Subtotal: Software - Integrated Broadcast Service (IBS) Next Gen Cost Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.301	-	-	-	-	-	7.301
<b>Support - Integrated Broadcast Service (IBS) Program Support Cost (PSC) Cost</b>																		
PSC <sup>(†)</sup>	-	-	-	9.227	1	9.227	4.927	1	4.927	4.267	1	4.267	-	-	-	4.267	1	4.267
<i>Subtotal: Support - Integrated Broadcast Service (IBS) Program Support Cost (PSC) Cost</i>	-	-	-	-	-	9.227	-	-	4.927	-	-	4.267	-	-	-	-	-	4.267
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	13.825	-	-	5.724	-	-	11.568	-	-	-	-	-	11.568

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT				<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)				

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
Edge-Node IBS Next Gen Hardware/Software <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/HB - Battle Management	Jun 2024	Jun 2025	1	7.301	Y		
PSC <sup>(†)</sup>		2022	Credence / GA	C / CPFF	AFLCMC Hanscom AFB	Nov 2021	Nov 2021	1	9.227	Y		
PSC <sup>(†)</sup>		2023	Credence / GA	C / CPFF	AFLCMC Hanscom AFB	Nov 2022	Nov 2022	1	4.927	Y		
PSC <sup>(†)</sup>		2024	Credence / GA	C / CPFF	AFLCMC Hanscom AFB	Nov 2023	Nov 2023	1	4.267	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023															
							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						
Edge-Node IBS Next Gen Hardware/Software																																				
1		2024	AF	1	0	1																														1
PSC																																				
2		2022	AF	1	0	1																														0
2		2023	AF	1	0	1																														0
2		2024	AF	1	0	1																														1



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force														<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2							<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT														<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)						

O C O		M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Fiscal Year 2024																Fiscal Year 2025												B A L A N C E
								Calendar Year 2024																Calendar Year 2025												
								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					
Edge-Node IBS Next Gen Hardware/Software																																				
1	2024	AF		1	0	1								A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0							
PSC																																				
2	2022	AF		1	1	0																							0							
2	2023	AF		1	1	0																							0							
2	2024	AF		1	0	1					A1																		0							

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
		<b>Item Number / Title [DODIC]:</b> Integrated Broadcast Service (IBS)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	1	1	9	12	21	0	0	0	0
2	Credence - GA	1	1	1	1	2	0	2	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Military Intelligence Program (MIP) Activities

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	4.249	5.009	4.487	-	4.487
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	4.249	5.009	4.487	-	4.487
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>4.249</b>	<b>5.009</b>	<b>4.487</b>	-	<b>4.487</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Military Intelligence Program (MIP) Activities Cost																		
Recurring Cost																		
MIP Activities <sup>(t)</sup>	-	-	-	4.249	1	4.249	5.009	1	5.009	4.487	1	4.487	-	-	0.000	4.487	1	4.487
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.249	-	-	5.009	-	-	4.487	-	-	0.000	-	-	4.487
<i>Subtotal: Hardware - Military Intelligence Program (MIP) Activities Cost</i>	-	-	-	-	-	<b>4.249</b>	-	-	<b>5.009</b>	-	-	<b>4.487</b>	-	-	<b>0.000</b>	-	-	<b>4.487</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>4.249</b>	-	-	<b>5.009</b>	-	-	<b>4.487</b>	-	-	-	-	-	<b>4.487</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT				<b>Item Number / Title [DODIC]:</b> Military Intelligence Program (MIP) Activities				

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
MIP Activities <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Jan 2022	Jul 2022	1	4.249	Y		Nov 2021
MIP Activities <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jan 2023	Jul 2023	1	5.009	Y		Nov 2022
MIP Activities <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Jan 2024	1	4.487	Y		Nov 2023

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Military Intelligence Program (MIP) Activities									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
MIP Activities																																			
1		2022	AF	1	0	1																								0					
1		2023	AF	1	0	1																								0					
1		2024	AF	1	0	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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Military Intelligence Program (MIP) Activities									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
MIP Activities																																			
1		2022	AF	1	1	0																							0						
1		2023	AF	1	1	0																							0						
1		2024	AF	1	0	1					A1																		0						
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2		<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT
		<b>Item Number / Title [DODIC]:</b> Military Intelligence Program (MIP) Activities

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various			10	0	0	0	0	0	0	4	0	4

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2						<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT						<b>Item Number / Title [DODIC]:</b> Network-Centric Collaborative Targeting						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		3.225		3.799		3.405		-		3.405				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				-		3.225		3.799		3.405		-		3.405				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
<b>Total Obligation Authority (\$ in Millions)</b>				-		<b>3.225</b>		<b>3.799</b>		<b>3.405</b>		-		<b>3.405</b>				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
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 sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware - Network-Centric Collaborative Targeting Cost																		
Recurring Cost																		
Computer Servers & Data Guards <sup>(†)</sup>	-	-	-	1.200	1	1.200	1.121	1	1.121	1.010	1	1.010	-	-	-	1.010	1	1.010
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.200	-	-	1.121	-	-	1.010	-	-	-	-	-	1.010
<i>Subtotal: Hardware - Network-Centric Collaborative Targeting Cost</i>	-	-	-	-	-	1.200	-	-	1.121	-	-	1.010	-	-	-	-	-	1.010
Software - Network-Centric Collaborative Targeting Cost																		
Recurring Cost																		
Software Licenses <sup>(†)</sup>	-	-	-	1.856	1	1.856	1.046	1	1.046	0.695	1	0.695	-	-	-	0.695	1	0.695
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.856	-	-	1.046	-	-	0.695	-	-	-	-	-	0.695
<i>Subtotal: Software - Network-Centric Collaborative Targeting Cost</i>	-	-	-	-	-	1.856	-	-	1.046	-	-	0.695	-	-	-	-	-	0.695
Support - Network-Centric Collaborative Targeting Cost																		
PSC <sup>(†)</sup>	-	-	-	0.169	1	0.169	1.632	1	1.632	1.700	1	1.700	-	-	-	1.700	1	1.700
<i>Subtotal: Support - Network-Centric Collaborative Targeting Cost</i>	-	-	-	-	-	0.169	-	-	1.632	-	-	1.700	-	-	-	-	-	1.700
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.225	-	-	3.799	-	-	3.405	-	-	-	-	-	3.405



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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Network-Centric Collaborative Targeting
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

<sup>(†)</sup> indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2			<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT				<b>Item Number / Title [DODIC]:</b> Network-Centric Collaborative Targeting					

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
Computer Servers & Data Guards		2022	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2022	Mar 2022	1	1.200	Y		
Computer Servers & Data Guards <sup>(†)</sup>		2023	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2023	Mar 2023	1	1.121	Y		
Computer Servers & Data Guards <sup>(†)</sup>		2024	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2024	Mar 2024	1	1.010	Y		
Software Licenses <sup>(†)</sup>		2022	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2022	Mar 2022	1	1.856	Y		
Software Licenses <sup>(†)</sup>		2023	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2023	Mar 2023	1	1.046	Y		
Software Licenses <sup>(†)</sup>		2024	L3 Harris / Rockwall, TX	Various	AFLCMC/WI - ISR & SOF	Feb 2024	Mar 2024	1	0.695	Y		
PSC <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC/WI - ISR & SOF	Mar 2022	Apr 2022	1	0.169	Y		
PSC <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC/WI - ISR & SOF	Mar 2023	Apr 2023	1	1.632	Y		
PSC <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC/WI - ISR & SOF	Mar 2024	Apr 2024	1	1.700	Y		

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force														<b>Date:</b> March 2023															
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2										<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT										<b>Item Number / Title [DODIC]:</b> Network-Centric Collaborative Targeting									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025															
							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>Computer Servers &amp; Data Guards</b>																																				
	1	2023	AF	1	1	0																													0	
	1	2024	AF	1	0	1																													0	
<b>Software Licenses</b>																																				
	2	2022	AF	1	1	0																													0	
	2	2023	AF	1	1	0																													0	
	2	2024	AF	1	0	1																													0	
<b>PSC</b>																																				
	3	2022	AF	1	1	0																													0	
	3	2023	AF	1	1	0																													0	
	3	2024	AF	1	0	1																													0	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 2	<b>P-1 Line Item Number / Title:</b> 832070 / 832070 INTELLIGENCE COMMUNICATIONS EQUIPMENT	<b>Item Number / Title [DODIC]:</b> Network-Centric Collaborative Targeting

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	L3 Harris - Rockwall, TX	1	1	1	0	0	0	0	0	1	5	1	6
2	L3 Harris - Rockwall, TX	1	1	10	0	0	0	0	0	1	5	1	6
3	Multiple - Multiple	1	1	1	0	0	0	0	0	1	6	1	7

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 833010 / Air Traffic Control & Landing Sys  
 Equip / BSA 3: Electronics Programs

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	50.277	69.608	67.581	-	67.581	51.015	27.783	28.116	29.382	-	323.762
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	50.277	69.608	67.581	-	67.581	51.015	27.783	28.116	29.382	-	323.762
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>50.277</b>	<b>69.608</b>	<b>67.581</b>	-	<b>67.581</b>	<b>51.015</b>	<b>27.783</b>	<b>28.116</b>	<b>29.382</b>	-	<b>323.762</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	1.307	1.792	0.725	-	0.725	0.653	0.674	0.702	0.748	-	6.601
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Air Traffic Control And Landing Systems (ATCALS) centrally manages the Air Force's 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. Major ATCALS systems include, but are not limited to, fixed-base and tactical radars, navigation aids, voice communication switches/radios, and data processing/automation systems.

These systems enable air traffic controllers to provide advisory, sequencing, separation, and landing guidance services to all aircraft in assigned airspace. ATCALS must also be inter-operable with systems operated by other services, the Federal Aviation Administration (FAA), or host nations. When possible, contracts with other Services or the FAA are used.

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.

Current acquisitions include:

- DIGITAL AIR TRAFFIC CONTROL (ATC) RADIO REPLACEMENT:** The ATC ground-to-air Very High Frequency (VHF) and Ultra High Frequency (UHF) radios are 30 years old and difficult to maintain. The digital ATC Radio Replacement Program replaces ATC fixed-base and mobile ATC tower radios with state-of-the-art systems and 8.33 kHz channel spacing (reduces frequency interference at highly congested airspace). Digital ATC Radios are being procured through a FAA 10 year fixed price base production with two additional re-negotiated option years. FY23 is last year radios are being procured. FY24 funds complete equipment installation.
- DEPLOYABLE INSTRUMENT LANDING SYSTEM (D-ILS):** D-ILS is a Category I (200ft decision height/2400ft runway visual range) ILS with remote monitoring and maintenance capabilities. D-ILS provides precision approach capability in adverse weather conditions to support tactical military and worldwide humanitarian/disaster relief operations and interoperability with the Civil Reserve Air Fleet in an area of responsibility. The last production unit was delivered in Sept 22. The program begins transition to an organic depot in FY23.
- DEPLOYABLE RADAR APPROACH CONTROL SYSTEM (D-RAPCON)/LIGHTWEIGHT DEPLOYABLE GROUND CONTROLLED APPROACH (LD-GCA):** This program refurbishes two Army Air Traffic Navigation, Integration, and Coordination System (ATNAVICS). D-RAPCON/LD-GCA provides mobile, terminal area ATC radar surveillance and communications during adverse weather and night conditions.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Due to updated Air Force planning guidance for multi-function sensors, procurement of 17 additional single function (ATC) ATNAVICS is no longer planned. The way forward is to develop and procure a Multi-Function Tactical Radar System (MTRS) which will be capable supporting ATC surveillance and communication, weather alerts, small Unmanned Aircraft System (sUAS) detection, and air base defense situational awareness. These two systems along with three Africa Command (AFRICOM) Multi-Capable radar will provide a limited capability until MTRS is deployed in the 2030-35 timeframe. A total of 19 MTRS will be required to completely replace the AN/MPN-14K and AN/TPN-19 as, all of these 1970s-era systems, will be decommissioned by FY27. FY24 funds complete the refurbishment effort and entry into the sustainment phase.</p> <p>4. EXPEDITIONARY SCALABLE MOBILE AIR TRAFFIC SYSTEM (ATC): This system includes a Multi-Capable Radar (MCR)/Shelter and Control Tower (MCR/CT). The MCR and CT provide Africa Command (AFRICOM) a near term deployable ATC, Tactical Command and Control, Integrated Air and Missile Defense tracking and prediction, and counter small UAS detection capability. The system is transportable on one C-130, cyber hardened, Mode-5 (Identification Friend or Foe) and Mode-S (Surveillance) capable. The MCR shelter supports ATC controller positions and has available rack space for UHF/VHF radios and communication equipment. Transportation methods range from armored vehicles within theater, and airlift by C-130 or CH-47 helicopter.</p> <p>5. ATCALs FIXED BASE (FB) NAVIGATIONAL AIDS (NAVAIDS) Family of Systems (FOS): The FB NAVAIDS FOS program replaces the current 1970s era systems which have reached the end of their normal lifespan, are manpower intensive, and costly to support. This program modernizes 121 legacy systems at 96 locations with modern transmitters and remote maintenance and monitoring equipment. Program delays in 2019-2020 resulted in a program new start in FY20 to complete system installations. FB NAVAIDS FOS is also the lead program for NAVAIDS remote maintenance and monitoring equipment modernization. Modernization is required to mitigate the impact of analog communication infrastructure phase-out and will continue through FY28. Once completed, these systems will provide a reliable, adaptable, and enduring capability that supports all joint, coalition, and civil air operations worldwide.</p> <p>6. FIXED BASE (FB) INSTRUMENT LANDING SYSTEM (ILS): FB-ILS consists of two subsystems which provide horizontal (localizer) and vertical (glide slope) guidance to enable aircraft to make a precision approach to a runway in inclement weather. FY23 funds (3.100M) procure a second Category I ILS (200 ft decision height/half mile runway visual range) system, airfield lighting and ancillary equipment for runway 14 at Kingsley Field Air National Guard Base (ANGB), Klamath Falls, OR. Procurement includes the ILS equipment, site preparation, installation, and dual ILS runway integration.</p> <p>7. MAN-PORTABLE (MP) TACTICAL AIR NAVIGATION (TACAN): The MP-TACAN provides aircraft with point-to-point navigating and instrument flight approaches to operating sites/landing zones and is critical to mission success in adverse wither conditions and Global Positioning System (GPS) denied operations. It replaces 1980s-era legacy systems which are no longer supportable. During FY22, the MP-TACAN program was delayed from July 22 to Sep 23 due to a pre-solicitation contract protest which caused a re-compete of the program. As a result, a FY22 and FY24 funding adjustment was required align funds with the revised schedule. The FY22 equipment funding (3.700M) was realigned within the ATCALs portfolio through a below threshold reprogramming action. The remaining 2.324M supports new request for proposal preparation, source selection, and contract award. The FY23 funding was retained for procurement of five first article systems. As FY24 funding for additional system would have been early to need, no systems are funded in FY24. The FY24 funding supports production of the five first article systems, qualification testing, and full rate production in FY25. A total of 68 systems will be procured (58 for the Active Duty and 10 for the Air National Guard).</p> <p>8. PACIFIC MULTI-DOMAIN TRAINING AND EXPERIMENTATION CONCEPT (PMTEC): The PMTEC program enhances landing zone communications solutions for operational, training, and exercise requirements across the U.S. Indo-Pacific Command (USINDOPACOM) area of responsibility. The program modernizes infrastructure at key locations, builds capacity for interoperability with partner nations, and improves geographic flexibility of landing zone operations.</p> <p>9. UKRAINE NAVIGATIONAL AIDS: The Ukraine supplemental funds (9.604M) procure ATC Navigational Aids and supporting equipment to prepare United States Air Forces in Europe (USAFE) enduring partners for ongoing and anticipated real-world operations. USAFE program includes acquisition of five MP-TACANs, 54 PRC-163 Multi-Channel Handheld radios, 27 PRC-117 Multi-band Multi-Mission Manpack Radios, and 5 Tactical Air Control Party Equipment kits.</p> <p>10. AIRCRAFT PAINT BOOTH REPLACEMENT AND EMERGENCY RADIO COMMUNICATIONS UPGRADE: This FY23 investment (1.290M) consolidates and streamlines aircraft maintenance efforts at Kingsley Field ANGB while improving communications capability for key airfield operations support services with new Land Mobile Radios.</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	47.427	69.608	67.581	0.000	67.581	51.015	27.783	28.116	17.267
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.850	0.000	-	-	-	-	-	-	12.115
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	0.000	-	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>50.277</b>	<b>69.608</b>	<b>67.581</b>	<b>0.000</b>	<b>67.581</b>	<b>51.015</b>	<b>27.783</b>	<b>28.116</b>	<b>29.382</b>

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Digital Air Traffic Control Radio Replacement	P-5a, P-21	A		- / -	- / 19.669	- / 4.866	- / 4.970	- / 0.000	- / 4.970
P-5	D-ILS		A		- / -	- / 8.524	- / 1.155	- / 0.750	- / -	- / 0.750
P-5	D-RAPCON/LD-GCA	P-5a, P-21	A		- / -	- / 6.456	- / 21.166	- / 3.577	- / -	- / 3.577
P-5	Expeditionary Scalable Mobile Air Traffic System	P-5a, P-21	A		- / -	- / -	- / 24.272	- / 27.224	- / 0.000	- / 27.224
P-5	FB NAVAIDs FOS TACAN/VORTAC	P-5a, P-21	A		- / -	- / -	- / 7.788	- / 7.557	- / -	- / 7.557
P-5	Fixed Base Instrument Landing System	P-5a, P-21	A		- / -	- / -	- / 3.100	- / -	- / -	- / -
P-5	Man-Portable TACAN	P-5a, P-21	A		- / -	- / 6.024	- / 5.971	- / 2.503	- / -	- / 2.503
P-5	Pacific Multi-Domain Training and Experimentation Concept - PMTEC	P-5a, P-21	A		- / -	- / -	- / -	- / 21.000	- / -	- / 21.000
P-5	Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade	P-5a, P-21	A		- / -	- / -	- / 1.290	- / -	- / -	- / -
P-5	Ukraine NAVAIDs	P-5a, P-21	A		- / -	- / 9.604	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 50.277	- / 69.608	- / 67.581	- / -	- / 67.581

\*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 sum exactly due to rounding.

**Justification:**  
 This program, Pacific Multi-Domain Training and Experimentation Concept - PMTEC P-5, is a new start.

- DIGITAL AIR TRAFFIC CONTROL (ATC) RADIO REPLACEMENT: FY24 funds complete equipment installation.
- DEPLOYABLE INSTRUMENT LANDING SYSTEM (D-ILS): FY24 funds provide for the stand-up of an organic depot.
- DEPLOYABLE RADAR APPROACH CONTROL (D-RAPCON)/LIGHTWEIGHT DEPLOYABLE GROUND CONTROLLED APPROACH (LD-GCA): FY24 funds procure Interim Contractor Support (ICS), Direct Mission Support (DMS) and Program Support Costs.
- EXPEDITIONARY SCALABLE MOBILE AIR TRAFFIC SYSTEM: FY24 funds procure one Multi-Capable Radar (MCR) and two Mobile Air Traffic Control Towers (CT).
- ATCALs FIXED BASE (FB) NAVIGATIONAL AIDS (NAVAIDs) FAMILY OF SYSTEMS (FOS): FY24 funds procure remote maintenance and monitoring system first article, remote maintenance and monitoring software integration/hardware non-recurring engineering (NRE), and program support costs.
- FIXED BASE INSTRUMENT LANDING SYSTEM (FB-ILS): No budget year FY24 funds are requested.
- MAN-PORTABLE TACAN: FY24 funds procure Readiness Support Kits, Generators, Engineering Changes, and Program Support.
- PMTEC: FY24 funds procure 100 AN/PRC 167 Multi-Channel Manpack radios, 240 AN/PRC-163 Multi-Channel Handheld radios, 50 AN/PRC-160 Wideband High Frequency (HF)/Very High Frequency (VHF) radios, and ancillary equipment.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

9. UKRAINE NAVIGATIONAL AIDS: No budget year FY24 funds are requested.

10. AIRCRAFT PAINT BOOTH REPLACEMENT AND EMERGENCY RADIO COMMUNICATIONS UPGRADE: No budget year FY24 funds are requested.

Pacific Deterrence Initiative (PDI) increase between FY23 \$0 and FY24 \$21,000 thousand support Pacific Multi-Domain Training and Experimentation Concept (PMTEC) and enhances landing zone communications/solutions for operational training/exercises across USINDOPACOM area of responsibility.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	19.669	4.866	4.970	0.000	4.970
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	19.669	4.866	4.970	0.000	4.970
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>19.669</b>	<b>4.866</b>	<b>4.970</b>	<b>0.000</b>	<b>4.970</b>

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

Initial Spares (\$ in Millions)	-	1.000	0.306	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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																		
Single Channel Radio <sup>(†)</sup>	-	-	-	0.019	992	18.846	0.020	204	4.086	-	-	-	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	18.846	-	-	4.086	-	-	-	-	0.000	-	-	0.000	
<i>Subtotal: Hardware - Digital Air Traffic Control Radio Replacement Cost</i>	-	-	-	-	-	18.846	-	-	4.086	-	-	-	-	0.000	-	-	0.000	
Support - Digital Air Traffic Control Radio Replacement Cost																		
Program Support Cost	-	-	-	-	-	0.823	-	-	0.780	-	-	0.850	-	-	-	-	-	0.850
Equipment Installation	-	-	-	-	-	-	-	-	-	-	-	4.120	-	-	-	-	-	4.120
<i>Subtotal: Support - Digital Air Traffic Control Radio Replacement Cost</i>	-	-	-	-	-	0.823	-	-	0.780	-	-	4.970	-	-	-	-	-	4.970
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	19.669	-	-	4.866	-	-	4.970	-	-	0.000	-	-	4.970

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	16.819	4.866	4.970	0.000	4.970
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	2.850	0.000	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement

**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	0.000	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>19.669</b>	<b>4.866</b>	<b>4.970</b>	<b>0.000</b>	<b>4.970</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys				<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement				

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
Single Channel Radio <sup>(†)</sup>		2022	General Dynamics / Scottsdale, AZ	C / FFP	AFLCMC Tinker AFB	Jan 2022	Sep 2023	992	0.019	Y		
Single Channel Radio <sup>(†)</sup>		2023	General Dynamics / Scottsdale, AZ	C / FFP	AFLCMC Tinker AFB	Jan 2023	Sep 2024	204	0.020	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																		<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3												<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys										<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement					

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
Single Channel Radio																																			
	1	2022	AF	992	0	992				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	910				
	1	2023	AF	204	0	204															A	-	-	-	-	-	-	-	-	-	204				
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys										<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Single Channel Radio																															
	1	2022	AF	992	82	910	82	82	82	83	83	83	83	83	83	83													0		
	1	2023	AF	204	0	204	-	-	-	-	-	-	-	-	-	-	17	17	17	17	17	17	17	17	17	17	17	17	0		
							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	



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3				<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys				<b>Item Number / Title [DODIC]:</b> Digital Air Traffic Control Radio Replacement				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics - Scottsdale, AZ	992	992	1,050	0	0	0	0	1	4	20	24

**Remarks:**  
Contract includes options for Army, Navy, Air Force and FAA. MSR based on orders from all users.

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> D-ILS
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.524	1.155	0.750	-	0.750
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	8.524	1.155	0.750	-	0.750
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>8.524</b>	<b>1.155</b>	<b>0.750</b>	-	<b>0.750</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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-ILS Cost																		
Direct Mission Support (GFE/SE)	-	-	-	-	-	0.399	-	-	-	-	-	-	-	-	-	-	-	-
Program Support Cost	-	-	-	-	-	2.275	-	-	0.275	-	-	0.220	-	-	-	-	-	0.220
Contractor Program Management	-	-	-	-	-	1.364	-	-	-	-	-	-	-	-	-	-	-	-
Depot Stand-Up / Full Operational Capability (FOC) Validation	-	-	-	-	-	4.486	-	-	0.880	-	-	0.530	-	-	-	-	-	0.530
<i>Subtotal: Support - D-ILS Cost</i>	-	-	-	-	-	<b>8.524</b>	-	-	<b>1.155</b>	-	-	<b>0.750</b>	-	-	-	-	-	<b>0.750</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>8.524</b>	-	-	<b>1.155</b>	-	-	<b>0.750</b>	-	-	-	-	-	<b>0.750</b>

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	8.524	1.155	0.750	-	0.750
<b>Total:</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>8.524</b>	<b>1.155</b>	<b>0.750</b>	-	<b>0.750</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys			<b>Item Number / Title [DODIC]:</b> D-RAPCON/LD-GCA		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	6.456	21.166	3.577	-	3.577
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	6.456	21.166	3.577	-	3.577
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>6.456</b>	<b>21.166</b>	<b>3.577</b>	-	<b>3.577</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	1.116	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - D-RAPCON Cost</b>																		
Non Recurring Cost																		
Refurbishment Obsolescence Hardware <sup>(†)</sup>	-	-	-	-	-	-	6.909	1	6.909	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	6.909	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - D-RAPCON Cost</i>	-	-	-	-	-	-	-	-	<b>6.909</b>	-	-	-	-	-	-	-	-	-
<b>Support - D-RAPCON Cost</b>																		
Non-Recurring Engineering (NRE) / ECO	-	-	-	-	-	-	-	-	2.882	-	-	-	-	-	-	-	-	-
Direct Mission Support	-	-	-	-	-	2.487	-	-	2.951	-	-	0.522	-	-	-	-	-	0.522
Program Support Cost	-	-	-	-	-	2.976	-	-	2.976	-	-	1.854	-	-	-	-	-	1.854
Contractor PMO/Training/ Fielding Support	-	-	-	-	-	0.993	-	-	2.055	-	-	-	-	-	-	-	-	-
GFE/ LORA / ECO	-	-	-	-	-	-	-	-	1.331	-	-	-	-	-	-	-	-	-
Interim Contractor Support	-	-	-	-	-	-	-	-	2.062	-	-	1.201	-	-	-	-	-	1.201
<i>Subtotal: Support - D-RAPCON Cost</i>	-	-	-	-	-	<b>6.456</b>	-	-	<b>14.257</b>	-	-	<b>3.577</b>	-	-	-	-	-	<b>3.577</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>6.456</b>	-	-	<b>21.166</b>	-	-	<b>3.577</b>	-	-	-	-	-	<b>3.577</b>

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> D-RAPCON/LD-GCA
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	6.456	21.166	3.577	-	3.577
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>6.456</b>	<b>21.166</b>	<b>3.577</b>	-	<b>3.577</b>

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> D-RAPCON/LD-GCA
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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
Refurbishment Obsolescence Hardware <sup>(†)</sup>		2023	Raytheon / Burlington, MA	C / FFP	AFLCMC Hanscom AFB	Feb 2023	Sep 2023	1	6.909	Y		

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> D-RAPCON/LD-GCA
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Raytheon - Burlington, MA	1	1	1	3	5	7	12	0	0	0	0

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Expeditionary Scalable Mobile Air Traffic System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	24.272	27.224	0.000	27.224
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	24.272	27.224	0.000	27.224
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	-	<b>24.272</b>	<b>27.224</b>	<b>0.000</b>	<b>27.224</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Expeditionary Scalable Mobile Air Traffic System - MCR Cost</b>																		
Recurring Cost																		
Multi-Capable Radar (MCR) <sup>(†)</sup>	-	-	-	-	-	-	18.425	1	18.425	18.757	1	18.757	-	-	0.000	18.757	1	18.757
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	18.425	-	-	18.757	-	-	0.000	-	-	18.757
<i>Subtotal: Hardware - Expeditionary Scalable Mobile Air Traffic System - MCR Cost</i>	-	-	-	-	-	-	-	-	<b>18.425</b>	-	-	<b>18.757</b>	-	-	<b>0.000</b>	-	-	<b>18.757</b>
<b>Hardware - Expeditionary Scalable Mobile Air Traffic System Control Tower Cost</b>																		
Recurring Cost																		
Mobile Air Traffic Control Tower (CT) <sup>(†)</sup>	-	-	-	-	-	-	1.785	1	1.785	1.817	2	3.634	-	-	0.000	1.817	2	3.634
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	1.785	-	-	3.634	-	-	0.000	-	-	3.634
<i>Subtotal: Hardware - Expeditionary Scalable Mobile Air Traffic System Control Tower Cost</i>	-	-	-	-	-	-	-	-	<b>1.785</b>	-	-	<b>3.634</b>	-	-	<b>0.000</b>	-	-	<b>3.634</b>
<b>Logistics - Expeditionary Scalable Mobile Air Traffic System Cost</b>																		
Non Recurring Cost																		
GFE	-	-	-	-	-	-	-	-	1.000	-	-	1.716	-	-	0.000	-	-	1.716
Program Office Support	-	-	-	-	-	-	-	-	3.062	-	-	3.117	-	-	0.000	-	-	3.117



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Expeditionary Scalable Mobile Air Traffic System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>	-	-	-	-	-	-	-	-	4.062	-	-	4.833	-	-	0.000	-	-	4.833
<i>Subtotal: Logistics - Expeditionary Scalable Mobile Air Traffic System Cost</i>	-	-	-	-	-	-	-	-	4.062	-	-	4.833	-	-	0.000	-	-	4.833
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	24.272	-	-	27.224	-	-	0.000	-	-	27.224

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	-	24.272	27.224	0.000	27.224
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	24.272	27.224	0.000	27.224

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys				<b>Item Number / Title [DODIC]:</b> Expeditionary Scalable Mobile Air Traffic 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 <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Multi-Capable Radar (MCR) <sup>(†)</sup>		2023	TBD / TBD	C / FFP	AFRICOM	Feb 2023	Feb 2025	1	18.425	Y		
Multi-Capable Radar (MCR) <sup>(†)</sup>		2024	TBD / TBD	C / FFP	AFRICOM	Feb 2024	May 2025	1	18.757	Y		
Mobile Air Traffic Control Tower (CT) <sup>(†)</sup>		2023	TBD / TBD	C / FFP	AFRICOM	Feb 2023	Feb 2024	1	1.785	Y		
Mobile Air Traffic Control Tower (CT) <sup>(†)</sup>		2024	TBD / TBD	C / FFP	AFRICOM	Feb 2024	May 2025	2	1.817	Y		

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys										<b>Item Number / Title [DODIC]:</b> Expeditionary Scalable Mobile Air Traffic System									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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
Multi-Capable Radar (MCR)																															
	1	2023	AF	1	0	1	-	-	-	-	-	-	-	-	1														0		
	1	2024	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
Mobile Air Traffic Control Tower (CT)																															
	2	2023	AF	1	1	0																							0		
	2	2024	AF	2	0	2	-	-	-	-	-	-	-	-	2														0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
<b>Item Number / Title [DODIC]:</b> Expeditionary Scalable Mobile Air Traffic System		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	3	3	3	5	15	20	0	0	0	0
2	TBD - TBD	1	3	3	3	5	15	20	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys			<b>Item Number / Title [DODIC]:</b> FB NAVAIDs FOS TACAN/VORTAC		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	-	7.788	7.557	-	7.557
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	-	7.788	7.557	-	7.557
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	-	<b>7.788</b>	<b>7.557</b>	-	<b>7.557</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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/VORTAC Cost																		
Non Recurring Cost																		
VORTAC System Upgrades <sup>(†)</sup>	-	-	-	-	-	-	0.700	2	1.400	-	-	-	-	-	-	-	-	-
Remote Maintenance and Monitoring First Article <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.647	1	1.647	-	-	-	1.647	1	1.647
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	1.400	-	-	1.647	-	-	-	-	-	1.647
<i>Subtotal: Hardware - FB NAVAIDs FOS TACAN/ VORTAC Cost</i>	-	-	-	-	-	-	-	-	<b>1.400</b>	-	-	<b>1.647</b>	-	-	-	-	-	<b>1.647</b>
Support - FB NAVAIDs FOS TACAN/VORTAC Cost																		
Depot Test Equipment and Procedures	-	-	-	-	-	-	-	-	2.500	-	-	0.000	-	-	-	-	-	0.000
Windows Upgrade (v7 to v11)	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-
Remote Maintenance and Monitoring Software Integration	-	-	-	-	-	-	-	-	2.100	-	-	3.219	-	-	-	-	-	3.219
Remote Maintenance and Monitoring Hardware NRE	-	-	-	-	-	-	-	-	-	-	-	1.891	-	-	-	-	-	1.891
Program Support Costs	-	-	-	-	-	-	-	-	0.788	-	-	0.800	-	-	-	-	-	0.800

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3						<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys						<b>Item Number / Title [DODIC]:</b> FB NAVAIDs FOS TACAN/VORTAC					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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/VORTAC Cost</i>	-	-	-	-	-	-	-	-	6.388	-	-	5.910	-	-	-	-	-	5.910
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	7.788	-	-	7.557	-	-	-	-	-	7.557

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	-	7.788	7.557	-	7.557
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	7.788	7.557	-	7.557

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> FB NAVAIDs FOS TACAN/VORTAC
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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
VORTAC System Upgrades <sup>(†)</sup>		2023	555th SWES / Tinker AFB, OK	PO	AFLCMC Tinker AFB	Aug 2023	May 2024	2	0.700	Y		
Remote Maintenance and Monitoring First Article <sup>(†)</sup>		2024	555th SWES / Tinker AFB, OK	PO	AFLCMC Tinker AFB	Feb 2024	Aug 2024	1	1.647	Y		

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> FB NAVAIDs FOS TACAN/VORTAC
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														B A L A N C E																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024																													
							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																				
VORTAC System Upgrades																																																		
	1	2023	AF		2	0	2																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-		1
Remote Maintenance and Monitoring First Article																																																		
	2	2024	AF		1	0	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																			

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> FB NAVAIDS FOS TACAN/VORTAC
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
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 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025														Calendar Year 2026														
							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					
VORTAC System Upgrades																																			
	1	2023	AF	2	1	1	1																							0					
Remote Maintenance and Monitoring First Article																																			
	2	2024	AF	1	1	0		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	0			

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> FB NAVAIDs FOS TACAN/VORTAC
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	555th SWES - Tinker AFB, OK	1	1	1	3	11	9	20	0	0	0	0
2	555th SWES - Tinker AFB, OK	1	1	1	2	5	6	11	0	0	0	0

**Remarks:**  
MSR is one system per year. Only one VDATS funded (FY23 - delivered in FY24).

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Fixed Base Instrument Landing System
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	3.100	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	3.100	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	-	<b>3.100</b>	-	-	-

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Fixed Base ILS Cost																		
Recurring Cost																		
Fixed Base ILS Equipment/ Installation <sup>(t)</sup>	-	-	-	-	-	-	3.100	1	3.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	3.100	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Fixed Base ILS Cost</i>	-	-	-	-	-	-	-	-	3.100	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	3.100	-	-	-	-	-	-	-	-	-

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF					
Quantity	-	-	-	-	-
Total Obligation Authority	-	3.100	-	-	-
<b>Total: Secondary Distribution</b>					
Quantity	-	-	-	-	-
Total Obligation Authority	-	3.100	-	-	-

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Fixed Base Instrument Landing System
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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
Fixed Base ILS Equipment/ Installation <sup>(†)</sup>		2023	TBD / TBD	TBD	FAA/AMQ 340, Okla City, OK	May 2023	May 2024	1	3.100	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Fixed Base Instrument Landing System
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
Fixed Base ILS Equipment/Installation																															
	1	2023	AF <sup>(1)</sup>	1	0	1																							0		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Fixed Base Instrument Landing System
---	--	---

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	1	3	8	12	20	0	0	0	0

"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).

**Footnotes:**

<sup>(1)</sup> Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable TACAN
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	6.024	5.971	2.503	-	2.503	
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	6.024	5.971	2.503	-	2.503	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>6.024</b>	<b>5.971</b>	<b>2.503</b>	-	<b>2.503</b>	
<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> )	-	0.307	0.370	0.725	-	0.725	
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Manportable TACAN Cost</b>																		
Recurring Cost																		
MP-TACAN <sup>(†)</sup>	-	-	-	-	-	3.700	1.032	5	5.160	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.700	-	-	5.160	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Manportable TACAN Cost</i>	-	-	-	-	-	3.700	-	-	5.160	-	-	-	-	-	-	-	-	-
<b>Support - Manportable TACAN Cost</b>																		
Program Support Cost	-	-	-	-	-	0.799	-	-	0.811	-	-	0.500	-	-	-	-	-	0.500
Program Protection Plan	-	-	-	-	-	0.575	-	-	-	-	-	-	-	-	-	-	-	-
Direct Mission Support	-	-	-	-	-	0.950	-	-	-	-	-	-	-	-	-	-	-	-
Readiness Support Kits	-	-	-	-	-	-	-	-	-	-	-	2.003	-	-	-	-	-	2.003
<i>Subtotal: Support - Manportable TACAN Cost</i>	-	-	-	-	-	2.324	-	-	0.811	-	-	2.503	-	-	-	-	-	2.503
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	6.024	-	-	5.971	-	-	2.503	-	-	-	-	-	2.503

**Remarks:**  
FY22 funding does not reflect \$3.7M BTR which re-aligned funds from MP-TACAN to National Airspace System (NAS) Program Element (PE 0305137F) for sustainment modifications. Funds were no longer required in FY22 for the MP-TACAN due to pre-solicitation contract protest resulting in 1-year program delay.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF Quantity	-	-	-	-	-



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**Exhibit P-5, Cost Analysis:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable TACAN
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

	<b>Secondary Distribution</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
	Total Obligation Authority	6.024	5.971	2.503	-	2.503
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>6.024</b>	<b>5.971</b>	<b>2.503</b>	<b>-</b>	<b>2.503</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable 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 <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MP-TACAN <sup>(†)</sup>		2023	TBD / TBD	C / FFP	AFLCMC Tinker AFB	Sep 2023	May 2024	5	1.032	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable TACAN
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
MP-TACAN																															
	1	2023	AF	5	0	5																									

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable TACAN
---	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							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					
MP-TACAN																												0							
	1	2023	AF	5	2	3	3																							0					
								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				

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Man-Portable TACAN

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TBD - TBD	1	5	13	0	0	0	0	0	1	2	7	9

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
		<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	21.000	-	21.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	21.000	-	21.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	-	-	<b>21.000</b>	-	<b>21.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Pacific Multi-Domain Training and Experimentation Concept - PMTEC Cost																		
Recurring Cost																		
AN/PRC-167 Radio System Dismount <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.072	50	3.624	-	-	-	0.072	50	3.624
AN/PRC-167 Radio System Mounted <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.114	50	5.692	-	-	-	0.114	50	5.692
AN/PRC-163 20M Radio System <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.023	240	5.549	-	-	-	0.023	240	5.549
AN/PRC-160(V)1 Radio Assembly, HF <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.123	50	6.135	-	-	-	0.123	50	6.135
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	21.000	-	-	-	-	-	21.000
<i>Subtotal: Hardware - Pacific Multi-Domain Training and Experimentation Concept - PMTEC Cost</i>	-	-	-	-	-	-	-	-	-	-	-	21.000	-	-	-	-	-	21.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	21.000	-	-	-	-	-	21.000

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	21.000	-	21.000
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force			<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys		<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>MDAP/MAIS Code:</b>			
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	-	21.000	-	21.000

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys				<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC				

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
AN/PRC-167 Radio System Dismount <sup>(†)</sup>		2024	TBD / TBD	Various	USSOCOM	Jul 2024	Jul 2025	50	0.072	Y		
AN/PRC-167 Radio System Mounted <sup>(†)</sup>		2024	TBD / TBD	Various	USSOCOM	Jul 2024	Jul 2025	50	0.114	Y		
AN/PRC-163 20M Radio System <sup>(†)</sup>		2024	TBD / TBD	Various	USSOCOM	Jul 2024	Jul 2025	240	0.023	Y		
AN/PRC-160(V)1 Radio Assembly, HF <sup>(†)</sup>		2024	TBD / TBD	Various	USSOCOM	Jul 2024	Jul 2025	50	0.123	Y		

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
		<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025													
							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	
AN/PRC-167 Radio System Dismount																																
	1	2024	AF	50	0	50																							8	8	8	26
AN/PRC-167 Radio System Mounted																																
	2	2024	AF	50	0	50																							8	8	8	26
AN/PRC-163 20M Radio System																																
	3	2024	AF	240	0	240																							30	30	30	150
AN/PRC-160(V)1 Radio Assembly, HF																																
	4	2024	AF	50	0	50																							8	8	8	26

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys										<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2026															Fiscal Year 2027															B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026															Calendar Year 2027															
							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							
AN/PRC-167 Radio System Dismount																												0									
1	2024	AF		50	24	26	8	9	9																					0							
AN/PRC-167 Radio System Mounted																												0									
2	2024	AF		50	24	26	8	9	9																					0							
AN/PRC-163 20M Radio System																												0									
3	2024	AF		240	90	150	30	30	30	30	30																			0							
AN/PRC-160(V)1 Radio Assembly, HF																												0									
4	2024	AF		50	24	26	8	9	9																					0							

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Pacific Multi-Domain Training and Experimentation Concept - PMTEC

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	40	50	50	1	10	12	22	0	0	0	0
2	TBD - TBD	40	50	50	1	10	12	22	0	0	0	0
3	TBD - TBD	150	200	240	1	10	12	22	0	0	0	0
4	TBD - TBD	40	50	50	1	10	12	22	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	-	1.290	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	-	1.290	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	-	<b>1.290</b>	-	-	-
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Aircraft Paint Booth Cost																		
Recurring Cost																		
Aircraft Paint Booth Equipment Replacement <sup>(†)</sup>	-	-	-	-	-	-	0.815	1	0.815	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.815	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Aircraft Paint Booth Cost</i>	-	-	-	-	-	-	-	-	0.815	-	-	-	-	-	-	-	-	-
Hardware - Emergency Radio Communications Upgrade Cost																		
Recurring Cost																		
Land Mobile Radios (LMR) <sup>(†)</sup>	-	-	-	-	-	-	0.005	88	0.475	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.475	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Emergency Radio Communications Upgrade Cost</i>	-	-	-	-	-	-	-	-	0.475	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	1.290	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	-	1.290	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	1.290	-	-	-

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys				<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade				

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
Aircraft Paint Booth Equipment Replacement <sup>(†)</sup>		2023	TBD / TBD	C / FFP	ANG	Jul 2023	Dec 2023	1	0.815	Y		
Land Mobile Radios (LMR) <sup>(†)</sup>		2023	TBD / TBD	C / FFP	ANG	Jul 2023	Nov 2023	88	0.005	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
		<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
Aircraft Paint Booth Equipment Replacement																															
1	2023	AF		1	0	1																								A - - - - - 1	0
Land Mobile Radios (LMR)																															
2	2023	AF		88	0	88																								A - - - - 7 7 7 7 7 7 7 8 8 8	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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force			<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys			<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade		

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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
Aircraft Paint Booth Equipment Replacement																												0			
1	2023	AF		1	1	0																								0	
Land Mobile Radios (LMR)																												0			
2	2023	AF		88	80	8	8																							0	
							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	



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys
		<b>Item Number / Title [DODIC]:</b> Aircraft Paint Booth Replacement and Emergency Radio Communications Upgrade

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	2	1	10	5	15	0	0	0	0
2	TBD - TBD	40	50	100	1	10	4	14	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Ukraine NAVAIDs
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	9.604	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	9.604	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>9.604</b>	-	-	-	-

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Ukraine NAVAIDs Cost																		
Recurring Cost																		
Man-Portable TACAN <sup>(†)</sup>	-	-	-	0.963	5	4.813	-	-	-	-	-	-	-	-	-	-	-	-
PRC-163 Radio <sup>(†)</sup>	-	-	-	0.025	54	1.328	-	-	-	-	-	-	-	-	-	-	-	-
PRC-117 Radio <sup>(†)</sup>	-	-	-	0.064	27	1.718	-	-	-	-	-	-	-	-	-	-	-	-
TACP Equipment <sup>(†)</sup>	-	-	-	0.349	5	1.745	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.604	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Ukraine NAVAIDs Cost</i>	-	-	-	-	-	<b>9.604</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>9.604</b>	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF					
Quantity	-	-	-	-	-
Total Obligation Authority	9.604	-	-	-	-
<b>Total: Secondary Distribution</b>					
Quantity	-	-	-	-	-
Total Obligation Authority	<b>9.604</b>	-	-	-	-

<sup>(†)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Ukraine NAVAIDs
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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
Man-Portable TACAN <sup>(†)</sup>		2022	Thales / Kansas City, KS	C / FP	AFRICOM	Dec 2022	May 2023	5	0.963	Y		
PRC-163 Radio <sup>(†)</sup>		2022	L3 Harris / TBD	SS / FP	AFRICOM	Dec 2022	Jun 2023	54	0.025	Y		
PRC-117 Radio <sup>(†)</sup>		2022	DLA / TBD	C / FP	AFRICOM	Jul 2022	Sep 2022	27	0.064	Y		
TACP Equipment <sup>(†)</sup>		2022	Various / Various	Various	AFRICOM	Dec 2022	Jan 2023	5	0.349	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Ukraine NAVAIDs
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023																											
							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															
Man-Portable TACAN																																														
	1	2022	AF	5	0	5																							A -	-	-	-	-	-	1	1	1	1	1	1	0					
PRC-163 Radio																																														
	2	2022	AF	54	0	54																							A -	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	38
PRC-117 Radio																																														
	3	2022	AF	27	0	27																							A -	-	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	0
TACP Equipment																																														
	4	2022	AF	5	0	5																							A -	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
							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																

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Ukraine NAVAIDs
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE																					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025																																
							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																				
Man-Portable TACAN																																																			
1		2022	AF	5	5	0																							0																						
PRC-163 Radio																																																			
2		2022	AF	54	16	38	4	4	5	5	5	5	5	5															0																						
PRC-117 Radio																																																			
3		2022	AF	27	27	0																							0																						
TACP Equipment																																																			
4		2022	AF	5	5	0																							0																						
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> </tr> </table>																												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
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																												

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833010 / Air Traffic Control & Landing Sys	<b>Item Number / Title [DODIC]:</b> Ukraine NAVAIDs
---	--	--

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Thales - Kansas City, KS	5	12	12	1	15	5	20	0	0	0	0
2	L3 Harris - TBD	40	80	80	1	15	6	21	0	0	0	0
3	DLA - TBD	20	40	40	1	10	2	12	0	0	0	0
4	Various - Various	5	10	10	1	15	1	16	0	0	0	0

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	3.841	-	3.841	23.629	20.010	26.014	28.511	-	102.005
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	3.841	-	3.841	23.629	20.010	26.014	28.511	-	102.005
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.000</b>	<b>3.841</b>	-	<b>3.841</b>	<b>23.629</b>	<b>20.010</b>	<b>26.014</b>	<b>28.511</b>	-	<b>102.005</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	0.379	0.390	0.402	0.414	-	1.585
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

PE 0305137F NATIONAL AIRSPACE SYSTEM (NAS)

The NAS program modernizes and sustains the Department of Defense (DoD) Air Traffic Control (ATC) system in concert with the Federal Aviation Administration (FAA). NAS increases safety of flight, provides systems and facilities interoperable with FAA, replaces aging DoD ATC systems, provides identical service to military and civilian aircraft, and reduces DoD flight cancellations/delays and maintenance.

Current efforts are focused on three programs: NAS Migration from Time Division Multi-Plexing (TDM) to Internet Protocol (IP) technology and NAS upgrades; NAS Voice Recorder Replacement; and NAS ATC Voice Switch Replacement.

The NAS TDM to IP migration is a DoD Chief Information Officer (CIO) mandate and aligned with Defense Information Systems Agency (DISA) guidance. TDM-IP migration addresses telecommunications carrier movement from TDM, point-to-point connections to Internet Protocol (IP), network connections. USAF ATC utilizes these DISA-approved transport layers for DoD-DoD data transfer as well as connection to the greater National Airspace System (NAS) via the FAA Telecommunications Infrastructure (FTI).

The NAS Voice Recorder replaces a legacy end of life system that is no longer supported by the original equipment manufacturer. Recording of ATC controller to pilot and ATC tower communications is required by Public Law to support accident investigations, etc. Replacement of all these systems is required in the FY24-FY28 time frame for continued safe delivery of air traffic services and compliance with the DoD CIO mandate as soon as possible.

The NAS Voice Switch replaces the 25+ year old Enhanced Terminal Voce Switch (ETVS). ETVS provides analog radio and telephone voice communications for ATC management and does not meet the DoD Chief Information Office mandated transition to digital IP capability and are experiencing multiple support issues and part constraints. ATC controller/pilot communications are the heart of ATC capability and critical to safety of flight in the airfield terminal area.

In accordance with Section 1815 of the FY2008 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.

These efforts are FY24 New Starts

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

Funding for this exhibit is contained in Program Element (PE) 0305137F



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 833020 / National Airspace System  
**Equip / BSA 3: Electronics Programs**

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Time Division Multi-Plexing(TDM) to Internet Protocol(IP) Migration		A		- / -	- / -	- / -	- / 0.398	- / -	- / 0.398
P-5	NAS ATC Voice Recorder Replacement	P-5a, P-21	A		- / -	- / -	- / -	- / 3.010	- / -	- / 3.010
P-5	NAS ATC Voice Switch Replacement		A		- / -	- / -	- / -	- / 0.433	- / -	- / 0.433
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 0.000	- / 0.000	- / 3.841	- / -	- / 3.841

\*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 sum exactly due to rounding.

**Justification:**  
 This program, NAS Analog to Digital Migration P-5, is a new start.  
 This program, NAS ATC Voice Recorder Replacement P-5, is a new start.  
 This program, NAS ATC Voice Switch Replacement P-5, is a new start.

National Airspace System Time Division Multi-Plexing (TDM) to Internet Protocol (IP) Capability: FY24 funding is for Program Support Costs to begin TDM to IP Migration.

FY24 funding for NAS Voice Recorder Replacement program procures 10 Voice Recorders and Program Support Costs.

FY24 funding for NAS Voice Switch Replacement program procures Program Support Costs to prepare Request for Proposal (RFP) for FY25 Contract Award.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System	<b>Item Number / Title [DODIC]:</b> Time Division Multi-Plexing(TDM) to Internet Protocol(IP) Migration

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	0.398	-	0.398
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	-	0.398	-	0.398
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	-	-	<b>0.398</b>	-	<b>0.398</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Time Division Multi-Plexing (TDM to Internet Protocol (IP) Migration Cost																		
Program Support Cost	-	-	-	-	-	-	-	-	-	-	-	0.398	-	-	-	-	-	0.398
<i>Subtotal: Support - Time Division Multi-Plexing (TDM to Internet Protocol (IP) Migration Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.398</b>	-	-	-	-	-	<b>0.398</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	<b>0.398</b>	-	-	-	-	-	<b>0.398</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System	<b>Item Number / Title [DODIC]:</b> NAS ATC Voice Recorder Replacement

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	3.010	-	3.010
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	3.010	-	3.010
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	-	-	<b>3.010</b>	-	<b>3.010</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - NAS ATC Voice Recorder Replacement Cost</b>																		
Recurring Cost																		
Voice Recorder Equipment Costs <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	0.208	10	2.082	-	-	-	0.208	10	2.082
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	2.082	-	-	-	-	-	2.082
<i>Subtotal: Hardware - NAS ATC Voice Recorder Replacement Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>2.082</b>	-	-	-	-	-	<b>2.082</b>
<b>Support - NAS ATC Voice Recorder Replacement Cost</b>																		
Program Support Costs (PSC)	-	-	-	-	-	-	-	-	-	-	-	0.928	-	-	-	-	-	0.928
<i>Subtotal: Support - NAS ATC Voice Recorder Replacement Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.928</b>	-	-	-	-	-	<b>0.928</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	<b>3.010</b>	-	-	-	-	-	<b>3.010</b>

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System	<b>Item Number / Title [DODIC]:</b> NAS ATC Voice Recorder Replacement
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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
Voice Recorder Equipment Costs <sup>(†)</sup>		2024	FAA / Washington DC	C / FFP	AFLCMC Tinker AFB	Jan 2024	Jul 2024	10	0.208	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System	<b>Item Number / Title [DODIC]:</b> NAS ATC Voice Recorder Replacement
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Voice Recorder Equipment Costs																															
1	2024	AF		10	0	10				A	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	0		
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	F	A	A	U	U	A	S	
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System	<b>Item Number / Title [DODIC]:</b> NAS ATC Voice Recorder Replacement

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	FAA - Washington DC	3	10	20	4	4	6	10	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833020 / National Airspace System			<b>Item Number / Title [DODIC]:</b> NAS ATC Voice Switch Replacement		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	-	-	0.433	-	0.433
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	-	-	0.433	-	0.433
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	-	-	<b>0.433</b>	-	<b>0.433</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - NAS ATC Voice Switch Replacement Cost																		
Program Support Costs (PSC)	-	-	-	-	-	-	-	-	-	-	-	0.433	-	-	-	-	-	0.433
<i>Subtotal: Support - NAS ATC Voice Switch Replacement Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>0.433</b>	-	-	-	-	-	<b>0.433</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	<b>0.433</b>	-	-	-	-	-	<b>0.433</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	2.940	1.409	1.867	-	1.867	3.378	3.450	3.572	3.649	-	20.265
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	2.940	1.409	1.867	-	1.867	3.378	3.450	3.572	3.649	-	20.265
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>2.940</b>	<b>1.409</b>	<b>1.867</b>	-	<b>1.867</b>	<b>3.378</b>	<b>3.450</b>	<b>3.572</b>	<b>3.649</b>	-	<b>20.265</b>

*(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:**

BCS-F supports the North American Aerospace Defense Command/ Northern Command (NORAD/NORTHCOM) homeland defense and air sovereignty mission for fixed Air Defense Sectors.

BATTLE CONTROL SYSTEM-FIXED (BCS-F): BCS-F is a bi-national program with Canada. The BCS-F Program is an AF Homeland Defense battle management command and control system with the capability to integrate data from existing and future civil and military defense surveillance systems into a comprehensive air picture. 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 capability to conduct peacetime air sovereignty operations and transition to active air defense operations in the event of aggression. Life cycle replacement will be required to prevent system obsolescence, account for new cyber security requirements and posture the program to seamlessly integrate future capabilities.

NATIONAL CAPITOL REGION - INTEGRATED AIR DEFENSE SYSTEM (NCR-IADS): NCR-IADS is a post-September 11, 2001 rapidly fielded capability that provides ground-based air defense of the NCR airspace by delivering an integrated air picture, air defense weapons, enhanced regional situational awareness, and forensic data collection capabilities. Life cycle replacement will be required to prevent system obsolescence, account for new cyber security requirements, and posture the program to seamlessly integrate future capabilities.

BATTLE CONTROL SYSTEM MODERNIZATION: Provides for capital equipment replacement activities at the fixed Air Defense Sectors, which include, but are not limited to: infrastructure upgrades, future Diminishing Manufacturing Sources (DMS), and replacement of other equipment that does not qualify for Centralized Asset Management (CAM) funding.

Funding for this exhibit is contained in PE 0102326F.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Region/Sector Operation Control Center Modernization Program	P-5a, P-21	A		- / -	- / 2.940	- / 1.409	- / 1.867	- / -	- / 1.867
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 2.940</b>	<b>- / 1.409</b>	<b>- / 1.867</b>	<b>- / -</b>	<b>- / 1.867</b>

\*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 sum exactly due to rounding.

**Justification:**  
 NATIONAL CAPITAL REGION - INTEGRATED AIR DEFENSE SYSTEM (NCR-IADS): FY2024 funds will support, but are not limited to, support hardware upgrades to seamlessly integrate new and emerging sensors, data, and technologies and refresh the legacy camera systems to address mission critical components Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues. Funds will be utilized for hardware upgrades and spares that do not qualify for Centralized Asset Management (CAM) funding, updated configurations of existing sites to match the modified baseline, and hardware to maintain the mandated cyber security posture and Authority to Operate (ATO) requirements.

BATTLE CONTROL SYSTEM MODERNIZATION: FY2024 funds will support, but are not limited to, support hardware upgrades to seamlessly integrate new and emerging sensors, data, and technologies. Funds will be utilized for hardware upgrades and spares that do not qualify for Centralized Asset Management (CAM) funding, updated configurations of existing sites to match the modified baseline, and hardware to maintain the mandated cyber security posture and Authority to Operate (ATO) requirements.

PROGRAM MANAGEMENT ADMINISTRATION (PMA): FY2024 funds for PMA costs will support the management, engineering and technical support for the program office.

This funding request supports potential Diminishing Manufacturing Sources (DMS) and obsolescence solutions, to support if optimal, life of type buys or bridge buys limited to the program of record quantity.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833030 / Battle Control System - Fixed	<b>Item Number / Title [DODIC]:</b> Region/Sector Operation Control Center Modernization Program

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	2.940	1.409	1.867	-	1.867
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	2.940	1.409	1.867	-	1.867
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>2.940</b>	<b>1.409</b>	<b>1.867</b>	-	<b>1.867</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware - Battle Control System Fixed Cost</b>																		
Recurring Cost																		
Mode 5 <sup>(t)</sup>	-	-	-	0.290	7	2.030	-	-	-	-	-	-	-	-	-	-	-	-
Tech Refresh	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.030	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Battle Control System Fixed Cost</i>	-	-	-	-	-	2.030	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Support - Battle Control System Fixed Cost</b>																		
Contractor Services Support	-	-	-	-	-	0.910	-	-	1.409	-	-	1.867	-	-	-	-	-	1.867
<i>Subtotal: Support - Battle Control System Fixed Cost</i>	-	-	-	-	-	0.910	-	-	1.409	-	-	1.867	-	-	-	-	-	1.867
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	2.940	-	-	1.409	-	-	1.867	-	-	-	-	-	1.867

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833030 / Battle Control System - Fixed				<b>Item Number / Title [DODIC]:</b> Region/Sector Operation Control Center Modernization Program					
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
Mode 5 <sup>(†)</sup>		2022	Booz Allen Hamilton / Lexington, MA	C / CPFF	AFLCMC Hanscom AFB	Jun 2022	Sep 2022	7	0.290	Y		Jan 2022

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833030 / Battle Control System - Fixed										<b>Item Number / Title [DODIC]:</b> Region/Sector Operation Control Center Modernization Program									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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

Mode 5																																		
1	2022	AF		7	0	7																												0

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**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833030 / Battle Control System - Fixed
<b>Item Number / Title [DODIC]:</b> Region/Sector Operation Control Center Modernization Program		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Booz Allen Hamilton - Lexington, MA	1	1	7	2	9	3	12	0	0	0	0

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 Improvemen

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207412F **Other Related Program Elements:** 0207412F, 0207455F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	43.442	13.986	0.000	-	0.000	80.867	60.804	38.279	39.084	-	276.462
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	43.442	13.986	0.000	-	0.000	80.867	60.804	38.279	39.084	-	276.462
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>43.442</b>	<b>13.986</b>	<b>0.000</b>	<b>-</b>	<b>0.000</b>	<b>80.867</b>	<b>60.804</b>	<b>38.279</b>	<b>39.084</b>	<b>-</b>	<b>276.462</b>

*(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 Control and Reporting Center (CRC) is a mobile, ground-based theater air control system (TACS) surveillance and battle management command and control (BMC2) element. It is a modular, transportable, and persistent weapon system employed at the tactical level to support air and surface operations to provide direct command and control to all air assets in an assigned Area of Responsibility (AOR). The CRC is a family of systems which include: AN/TYQ-23A(V)1 Tactical Air Operations Module (TAOM), AN/TSC-250 Communication Data Link System (CDLS), AN/TRC-213/214 Remote Radio Secure Voice System (RRSVS), and the AN/TPS-75 Radar, CRC's organic radar. Air Combat Command (ACC) CRC Capability Roadmap provides for the modernization of this family of systems and will be programmed into phased updates through 2037, modernizing the system incrementally.

FY2024 funding request was reduced by \$8.268 million to account for the availability of prior year 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.

Funding for this exhibit is contained in PE 0207412F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	43	2	-	-	-	-	-	-	-
	Total Obligation Authority	35.467	10.782	0.000	-	0.000	0.000	0.000	-	-
AFNG	Quantity	2	2	-	-	-	-	-	-	-
	Total Obligation Authority	7.975	3.204	0.000	-	0.000	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	<b>45</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>43.442</b>	<b>13.986</b>	<b>0.000</b>	<b>-</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>-</b>

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 Improvemen

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207412F **Other Related Program Elements:** 0207412F, 0207455F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Theater Air Control System Improvement	P-5a, P-21	A		- / -	45 / 43.442	4 / 13.986	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 43.442</b>	<b>- / 13.986</b>	<b>- / 0.000</b>	<b>- / -</b>	<b>- / 0.000</b>

\*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 sum exactly due to rounding.

**Justification:**  
N/A



**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833040 / Theater Air Control Sys Improvemen	<b>Item Number / Title [DODIC]:</b> Theater Air Control System Improvement
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	45	4	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	43.442	13.986	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	43.442	13.986	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>43.442</b>	<b>13.986</b>	<b>0.000</b>	-	<b>0.000</b>

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

Initial Spares (\$ in Millions)	-	-	-	0.000	-	0.000
Gross/Weapon System Unit Cost (\$ in Millions)	-	0.965	3.497	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Theater Air Control System Improvement Cost</b>																		
Recurring Cost																		
Remote Radio System, Modifying Interface Unit <sup>(†)</sup>	-	-	-	1.692	5	8.458	1.653	4	6.611	-	-	0.000	-	-	-	-	-	0.000
European Defense Initiative	-	-	-	-	-	24.784	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	33.242	-	-	6.611	-	-	0.000	-	-	-	-	-	0.000
Non Recurring Cost																		
TSC-250 Communication Data Link System (CDLS) <sup>(†)</sup>	-	-	-	0.255	40	10.200	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine Supplementals	-	-	-	-	-	-	-	-	7.375	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	10.200	-	-	7.375	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Theater Air Control System Improvement Cost</i>	-	-	-	-	-	<b>43.442</b>	-	-	<b>13.986</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>
<b>Gross/Weapon System Cost</b>	-	-	-	<b>0.965</b>	<b>45</b>	<b>43.442</b>	<b>3.497</b>	<b>4</b>	<b>13.986</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

**Remarks:**  
FY24 funding redistributed for higher DoD priorities due to prior year execution balances.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833040 / Theater Air Control Sys Improvemen	<b>Item Number / Title [DODIC]:</b> Theater Air Control System Improvement
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
FY23 funding increased due to Ukraine Supplemental Appropriations Act, 2023, Division B, P.L. 117-180 and Ukraine Supplemental, Division M of P.L. 117-328.	

	<b>Secondary Distribution</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
AF	Quantity	43	2	-	-	-
	Total Obligation Authority	35.467	10.782	0.000	-	0.000
AFNG	Quantity	2	2	-	-	-
	Total Obligation Authority	7.975	3.204	0.000	-	0.000
<b>Total:</b>	<b>Quantity</b>	<b>45</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>43.442</b>	<b>13.986</b>	<b>0.000</b>	<b>-</b>	<b>0.000</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833040 / Theater Air Control Sys Improvemen	<b>Item Number / Title [DODIC]:</b> Theater Air Control System Improvement
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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
Remote Radio System, Modifying Interface Unit <sup>(t)</sup>		2022	NAWC/BAE / Pax River, MD / NAVAIR	Various	NAVAIR	Sep 2022	Jan 2024	5	1.692	Y		
Remote Radio System, Modifying Interface Unit <sup>(t)</sup>		2023	NAWC/BAE / Pax River, MD / NAVAIR	Various	NAVAIR	Sep 2023	Jan 2025	4	1.653	Y		
TSC-250 Communication Data Link System (CDLS)		2022	V3GATE, LLC / Colorado	Reqn	AFLCMC Hill AFB	Nov 2022	Dec 2022	40	0.255	Y		

<sup>(t)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3							<b>P-1 Line Item Number / Title:</b> 833040 / Theater Air Control Sys Improvemen							<b>Item Number / Title [DODIC]:</b> Theater Air Control System Improvement					

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												B A L A N C E					
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 2 1	BAL D U E A S O F 1 O C T	Calendar Year 2022												Calendar Year 2023																
							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				
Remote Radio System, Modifying Interface Unit																																			
	1	2022	AF	5	0	5														A	-	-	-	-	-	-	-	-	-	-	-	5			
	1	2023	AF	4	0	4																											A	-	4

O C C O	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
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**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833040 / Theater Air Control Sys Improvemen **Item Number / Title [DODIC]:** Theater Air Control System Improvement

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 3	BAL D U E A S O F 1 O C T	Calendar Year 2024													Calendar Year 2025													
							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			
Remote Radio System, Modifying Interface Unit																																	
	1	2022	AF	5	0	5	-	-	-	5																			0				
	1	2023	AF	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		0				
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833040 / Theater Air Control Sys Improvemen	<b>Item Number / Title [DODIC]:</b> Theater Air Control System Improvement
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAWC/BAE / Pax River, MD - NAVAIR	1	1	4	0	0	0	0	1	12	16	28

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 833060 / 3D Expeditionary Long-Range Radar  
**Equip / BSA 3: Electronics Programs**

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207455F **Other Related Program Elements:** 0207455F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	96.186	92.587	83.735	-	83.735	95.961	106.860	110.182	113.048	-	698.559
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	96.186	92.587	83.735	-	83.735	95.961	106.860	110.182	113.048	-	698.559
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>96.186</b>	<b>92.587</b>	<b>83.735</b>	-	<b>83.735</b>	<b>95.961</b>	<b>106.860</b>	<b>110.182</b>	<b>113.048</b>	-	<b>698.559</b>

*(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:**

This budget line funds the Three-Dimensional Expeditionary Long-Range Radar (3DELRR) program. The 3DELRR program replaces the unsustainable AN/TPS-75 radar. The AN/TPS-75 radar was first fielded in the early 1970s, is at the end of its service life, and is costly to maintain. The 3DELRR system will be the USAF's principal long-range, ground-based sensor for detecting, identifying, tracking, and reporting aerial tracks for the Joint Force Air Component Commander (JFACC).

The 3DELRR system consists of the TPY-4 radar, two (2) Heavy Expanded Mobility Tactical Trucks (HEMTTs), one (1) trailer, four (4) Micro Grid generators, and other smaller Government Furnished Equipment (GFE) items. The HEMTTs, trailer, and generators are procured as equipment associated with the 3DELRR system and sent directly to the operational units. The smaller GFE items, such as necessary crypto equipment, are procured and sent to Lockheed Martin to be integrated into the TPY-4 before delivery to the operational units.

The 3DELRR system will provide multiple benefits and increased capabilities to the USAF and the Joint Services, including but not limited to: 1) the ability to detect and track highly maneuverable, small radar cross section airborne targets (modern and emerging threats); 2) enable greater battlefield and battlespace awareness through its precise, real-time air picture of sufficient quality to control individual aircraft under a wide range of environmental and operational conditions; and 3) mitigate reliability, operational availability, maintainability, transportability and sustainability issues.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 833060 / 3D Expeditionary Long-Range Radar

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207455F **Other Related Program Elements:** 0207455F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	3D Expeditionary Long-Range Radar	P-5a, P-21	B		- / -	- / 96.186	- / 92.587	- / 83.735	- / -	- / 83.735
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 96.186</b>	<b>- / 92.587</b>	<b>- / 83.735</b>	<b>- / -</b>	<b>- / 83.735</b>

\*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 sum exactly due to rounding.

**Justification:**

FY2024 funds will procure three 3DELRR systems, necessary logistics and program support associated with the delivery of the system, and program management.

PRODUCTION UNITS: FY2024 funds will procure three (3) TPY-4's, to include the necessary logistics and program support associated with the delivery of the system.

DIRECT MISSION SUPPORT: FY2024 funds will procure equipment associated with the 3DELRR systems. Equipment includes two (2) Heavy Expanded Mobility Tactical Trucks (HEMTTs), four (4) generators, one (1) trailer, and the necessary crypto and support equipment. The HEMTTs, generators, and trailers are sent directly to the operational units. The remaining equipment is sent to Lockheed Martin as Government Furnished Equipment (GFE) for integration with the TPY-4.



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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar	<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	96.186	92.587	83.735	-	83.735
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	96.186	92.587	83.735	-	83.735
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>96.186</b>	<b>92.587</b>	<b>83.735</b>	-	<b>83.735</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>						
Initial Spares (\$ in Millions)	-	0.000	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - 3D Expeditionary Long-Range Radar Cost</b>																		
Recurring Cost																		
Initial Production Units <sup>(†)</sup>	-	-	-	31.751	2	63.502	21.235	4	84.939	23.373	3	70.118	-	-	-	23.373	3	70.118
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	63.502	-	-	84.939	-	-	70.118	-	-	-	-	-	70.118
Non Recurring Cost																		
Initial Production NRE	-	-	-	-	-	18.460	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	18.460	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - 3D Expeditionary Long-Range Radar Cost</i>	-	-	-	-	-	<b>81.962</b>	-	-	<b>84.939</b>	-	-	<b>70.118</b>	-	-	-	-	-	<b>70.118</b>
<b>Support - 3D Expeditionary Long-Range Radar Cost</b>																		
Program Support Costs	-	-	-	-	-	11.018	-	-	0.206	-	-	7.286	-	-	-	-	-	7.286
Direct Mission Support	-	-	-	-	-	3.206	-	-	7.442	-	-	6.331	-	-	-	-	-	6.331
<i>Subtotal: Support - 3D Expeditionary Long-Range Radar Cost</i>	-	-	-	-	-	<b>14.224</b>	-	-	<b>7.648</b>	-	-	<b>13.617</b>	-	-	-	-	-	<b>13.617</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>96.186</b>	-	-	<b>92.587</b>	-	-	<b>83.735</b>	-	-	-	-	-	<b>83.735</b>

**Remarks:**  
Direct Mission Support (DMS) is procurement of the required equipment per 3DELRR system, which consists of two (2) Heavy Expanded Mobility Tactical Trucks (HEMTT), four (4) generators, one (1) trailer, and necessary crypto and support equipment. FY24 per unit cost increase is due to an increased cost of trucks on Army's Family of Heavy Tactical Vehicles contract.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar	<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<p>Radar pricing is based on fixed, pre-negotiated funding tables in the contract.</p> <p>FY22 unit cost is driven by initial production of the system. These first two units established the production line for the system.</p> <p>FY23 unit cost is result of economy of scale pricing/quantity discounts and opportunities from efficiencies in manufacturing due to the learning curve.</p> <p>FY24 unit cost is based on pre-negotiated pricing.</p> <p>FY23 Program Support Costs (PSC) are reduced based on availability of prior year FY22 funds. FY24 PSC are allocated to both the Procurement funded production program as well as the RDT&amp;E funded capability development program.</p> <p>(t) indicates the presence of a P-5a</p>		

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar	<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar
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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
Initial Production Units <sup>(†)</sup>		2022	Lockheed Martin / Syracuse New York	C / FFP	AFLCMC/HB - Battle Management	Apr 2022	Jun 2024	2	31.751	N	Apr 2021	
Initial Production Units <sup>(†)</sup>		2023	Lockheed Martin / Syracuse New York	C / FFP	AFLCMC/HB - Battle Management	Mar 2023	Oct 2024	4	21.235	N	Aug 2021	
Initial Production Units <sup>(†)</sup>		2024	Lockheed Martin / Syracuse New York	C / FFP	AFLCMC/HB - Battle Management	Feb 2024	Oct 2025	3	23.373	N	Aug 2021	

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																		<b>Date:</b> March 2023											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar										<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
Initial Production Units																																			
	1	2022	AF		2	0	2																										2		
	1	2023	AF		4	0	4																											4	
	2	2024	AF		3	0	3																											3	
								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				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833060 / 3D Expeditionary Long-Range Radar **Item Number / Title [DODIC]:** 3D Expeditionary Long-Range Radar

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Initial Production Units																															
1	2022	AF		2	0	2	-	-	-	-	-	-	-	-	-	1	-	1												0	
1	2023	AF		4	0	4	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1									0	
2	2024	AF		3	0	3																								3	
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar	<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026														Fiscal Year 2027														B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							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					
Initial Production Units																																			
	1	2022	AF		2	2																							0						
	1	2023	AF		4	4																							0						
	2	2024	AF		3	0	3	1	1	1																			0						
								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				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833060 / 3D Expeditionary Long-Range Radar	<b>Item Number / Title [DODIC]:</b> 3D Expeditionary Long-Range Radar
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Lockheed Martin - Syracuse New York				0	0	0	0	0	0	0	0	0
2	Lockheed Martin - Syracuse New York	2	8	12	1	0	0	0	0	0	5	20	25

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** 0305111F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	32.376	20.548	28.530	-	28.530	31.036	31.659	32.770	33.465	-	210.384
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	32.376	20.548	28.530	-	28.530	31.036	31.659	32.770	33.465	-	210.384
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>32.376</b>	<b>20.548</b>	<b>28.530</b>	<b>-</b>	<b>28.530</b>	<b>31.036</b>	<b>31.659</b>	<b>32.770</b>	<b>33.465</b>	<b>-</b>	<b>210.384</b>

*(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:**

PE 0305111F WEATHER SERVICE DESCRIPTION

The Weather Observation Forecast (WOF) procurement line acquires fixed-base and tactical meteorological equipment, ground-based space environment sensing systems, and information systems supporting the 2022 National Defense Strategy's (NDS) lines of effort. WOF procurement also ensures a dependable environmental observing and sensing network which was identified as one of the key layers in Air Force Futures blueprint for the sensing grid that enables joint all-domain command and control (JADC2). This funding rebuilds readiness for a more lethal and resilient force by procuring and upgrading fixed and tactical equipment for observing and forecasting terrestrial and space environmental impacts in support of global Air Force (AF), Army, Special Operations Forces (SOF), Space Force (USSF), combatant commands, the Intelligence Community (IC), and other government agencies. Funding to procure and upgrade information systems to process, store, analyze, and disseminate decision-grade weather information enables accurate prediction of environmental impacts to optimize mission planning and execution, targeting, weaponeering, and battle damage assessment, while also enhancing the effectiveness and survivability of AF and Army weapon systems, precision munitions, and AF, USSF, and government agency space systems. Alliances are strengthened through weather system technological upgrades to ensure critical interoperability with Department of Defense (DoD), allies, and inter-agency partners in support of joint all-domain combat operations. Funding for WOF also ensures greater performance and affordability through improvements to architecture and system efficiency as well as the retirement of legacy equipment.

WOF activities align under three capability areas: Weather Data Collection, Weather Data Analysis and Dissemination, and Weather Forecasting. This alignment ensures an integrated and systems-oriented approach to program management decisions. Procurement funding for Terrestrial is addressed by APPN 3080, PE 0305111F, Weather Observation Forecast. For FY 2021, procurement funding and activities aligned under Product Tailoring/Warfighter Applications (PTWA) transitioned to the Weather Data Collection capability area to better align data collection efforts. In FY 2023, a portion of the Weather Data Collection Systems funding and activities transferred from PE 0305111F, Weather Service, to PEs 1205111SF and 1203940SF, Space Situational Awareness Operations, in order to consolidate space sensing efforts under the Space Force.

1. Weather Data Collection Systems: Provides automated atmospheric and ground-based 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, resource protection, and satellite anomaly assessments and impacts.
  - A. Fixed Based Weather Systems (FBWS) - The FBWS program is responsible for the management of 396 fixed base automated weather sensor systems consisting of commercially available weather sensors across 225 AF and Army bases. FBWS provides the capability to collect weather elements for aviation surface report generation and dissemination. FBWS sensor data is essential for safe and efficient aviation operations of critical DoD assets, and integration into command and control (C2) systems and nodes as part of a joint all-domain sensing capability. FBWS program is the consolidated acquisition effort of five fixed base weather system technical baselines and the sensor collection appliances in order to create a common sensor baseline and consolidate contract maintenance costs.
  - B. Ionospheric Ground Sensors (IGS) - IGS capital equipment replacement consists of fielding Next Generation Ionosonde (NEXION), Ionospheric Scintillation Total electron content Observer (ISTO), and other similar equipment. IGS contributes to Intelligence, Surveillance, Reconnaissance, Environment (ISRE) efforts, permitting full space domain knowledge, which enables Space Domain Awareness (SDA) Data Integration & Exploitation (DI&E) key to timely Battle Management Command and Control (BMC2) decision making/tasking. NEXION is a commercial-off-the-shelf (COTS) vertical incidence low-power radar

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305111F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>sensor that obtains measurements of the ionosphere from directly overhead in the high-frequency (HF) radio bands (2-30 MHz). ISTO is a world-wide network of ground-based, passive, multi-frequency COTS receivers that measure ionospheric scintillation and total electronic content in real-time by analyzing Ultra High Frequency (UHF), and Global Positioning System (GPS) satellite signals. In FY 2023, IGS effort transferred from PE 0305111F, Weather Service, to PE 1203940SF, Space Situational Awareness, to consolidate space-related efforts under the Space Force.</p> <p>C. Next-Generation Radar (NEXRAD) - NEXRAD is a Tri-agency (National Weather Service, AF, and Federal Aviation Administration) program that manages 159 Doppler weather radars. It provides networked radar data that is essential for safe and efficient aviation operations; resource protection of critical DoD, government, and commercial assets; and integration into C2 systems and nodes as part of a joint all-domain sensing capability. The AF owns 25 NEXRAD systems worldwide and performs program actions on these systems to include capital equipment replacement of components reaching end of life and a service life extension program, which includes pedestal and shelter refurbishments.</p> <p>D. AN/UMQ-13 Meteorological Data Station (MARK IV-B) - MARK IV-B provides warfighters tactical access to timely, accurate data from the latest generation of satellites and sensors to make mission critical decisions affecting the safety of personnel and equipment. MARK IV-B systems receive, process, display, store, and distribute interrogatable meteorological satellite (METSAT) information to operational users worldwide to support warfighter planning and execution via unclassified and classified networks. This system also provides cloud modeling and forecast validation data for the AF Weather Weapon System (AFWWS). FY 2022 was the last year that MARK IV-B will reside in the WOF procurement line. In FY 2023, Mark IV-B effort was transferred from PE 0305111F, Weather Service, to PE 1203940SF, Space Situational Awareness, to consolidate space-related efforts under the Space Force.</p> <p>E. Solar Electro-Optical Network (SEON) - Consists of AN /FMQ-7 Solar Observing Optical Network (SOON) and Radio Solar Telescope Network (RSTN) which includes AN /FRR-95 Radio Interference Measuring Set (RIMS) and A/F24U-10 Solar Radio Spectrograph (SRS). SOON provides optical observance of the sun and RSTN provides Radio Frequency (RF) monitoring of the sun and is an all-weather, ground-based, stand-alone system for the detection of solar bursts. SEON provides 24/7 real-time data of solar activity that interferes with radio frequency bands of satellites, radars, radio communications, and power grids. Moreover, it provides data on solar phenomena that have the potential to damage military surveillance and warning satellites, damaged satellite tracking systems, and affect RF and satellite orbital prediction management. This solar data is also used in the prediction of increases or decreases in solar activity. In FY 2023, the SEON effort was transferred from PE 0305111F, Weather Service, to PE 1203940SF, Space Situational Awareness, to consolidate space-related efforts under the Space Force.</p> <p>F. Expeditionary Weather - ExMET provides a "first-in/on-the-move" weather solution in the tactical and near-peer environments in support of the 2018 NDS. ExMET delivers a scalable, integrated system of components for sensing, forecasting, and communications capabilities aligning to Operation Plans and contingency Unit Type Codes (UTCs) for agile combat employment of weather Airmen and weather operations. ExMET includes tactical sensors to include the TMQ-53, the Micro/Advance-Micro Weather Sensor (MWS/AMWS), a next-gen tactical weather system, as well as solutions for forecast data caching/processing workstations and high-bandwidth communications capabilities.</p> <p>2. Weather Data Analysis and Dissemination: Provides centralized, cybersecure weather web service capability for integration into C2 systems, on-demand availability of weather impacts and products for the joint warfighter on all enclaves, specific mission-tailored weather data for global operations, and weapon system interoperability which shortens the Combatant Commander kill chain through machine to machine interfaces. The Weather Data Analysis and Dissemination capability area currently includes activities for Weather Data Analysis Increment 4 (WDA Inc 4).</p> <p>A. WDA Inc 4 - Provides an interoperable, flexible, responsive, expandable, and cost effective system with an open architecture allowing resiliency during enterprise weather migration to an AF Weather Virtual Private Cloud (AFW-VPC). Open architecture facilitates an easy "plug-and play" of Government off-the-shelf (GOTS) and COTS cyber-hardened hardware and software products; networking equipment for secure, high speed data transfers; enabling server consolidation and virtualization; and the transition to cloud computing. WDA Inc 4 will operate on all security environments to ensure interoperability with AF, Army, USSF, IC, other government agency programs, mission partners, and weapon systems. WDA Inc 4 includes Ingest, Dissemination, and Enterprise Storage (IDES) projects which provides for storage and capability to move data between various storage devices and application nodes in the AF Weather enterprise.</p> <p>Dissemination Services ensure data consumers have access to storage and the ability to move data to a location specified by the consumer. The IDES task orders will be used to retire end of life/end of support legacy equipment.</p> <p>3. Weather Forecasting: Weather Forecasting includes activities for terrestrial modeling, which provides warfighters with increased global environmental battlespace awareness for use in strategic, operational, and tactical mission planning, rehearsal, and execution through advanced scientific numerical weather prediction capabilities. Provides improvements to specific weather modeling capability gaps.</p> <p>A. Numerical Weather Modeling (NWM) - Provides advanced scientific physics and machine learning-based numerical weather prediction capabilities for automated, high-resolution forecast products for mission planning and execution. Supports technology insertion/scientific improvements to AF weather analysis and forecasting capability with emphasis on clouds, theater-scale weather, and aerosol/chemical constituents.</p> <p>4. Product Tailoring Warfighter Applications (PTWA): Provides timely, local, and regional target-scale weather information to operational commanders within a given area of responsibility and provides front-line weather information to warfighters in support of combat operations at tactical levels. Supports the "train-as-you-fight" concept by assuring fixed and deployable systems have similar performance parameters and user interfaces. In FY 2021, PTWA procurement funding is transitioned to the Weather Data Collection Systems capability area to better align investments with data collection efforts under the FBWS program of record. As of FY 2021, this capability area will only have RDT&amp;E investment funding aligned to it.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305111F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Funding for this exhibit is contained in PE 0305111F. Management services costs include Federally Funded Research and Development Centers (FFRDCs) and Advisory and Assistance Services (A&amp;AS). Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** 0305111F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	FBWS	P-5a, P-21	A		- / 0.000	- / 2.312	- / 2.976	- / 5.930	- / -	- / 5.930
P-5	Weather Data Collection Systems	P-5a, P-21	A		- / -	- / 20.163	- / 7.257	- / 11.585	- / -	- / 11.585
P-5	Numerical Weather Modeling	P-5a, P-21	A		- / -	- / 1.358	- / 8.673	- / 10.828	- / -	- / 10.828
P-5	WDA Inc-4	P-5a, P-21	A		- / -	- / 8.543	- / 1.642	- / 0.187	- / -	- / 0.187
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 32.376</b>	<b>- / 20.548</b>	<b>- / 28.530</b>	<b>- / -</b>	<b>- / 28.530</b>

\*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 sum exactly due to rounding.

**Justification:**  
PE 0305111F WEATHER SERVICE JUSTIFICATION

1. Weather Data Collection Systems:
  - A. FBWS: FY 2024 funding will procure fixed-base weather sensors, sensor collection appliances (SCAs), and additional sensor components, and communication and dissemination equipment for weather sensing at AF and Army installations, expeditionary airfields, and joint/coalition force locations. These systems and sensors will ensure the continued delivery of observed weather conditions to the warfighter, compliance with cybersecurity requirements, and interoperability with C2 systems.  
FY24: Funding will procure additional fixed-base weather sensor systems, as well as fleet sensor modernization to improve sensing and system efficiency while mitigating components obsolescence.
  - B. IGS: No FY 2024 funding requested.
  - C. MARK IV-B: No FY 2024 funding requested.
  - D. NEXRAD: FY 2024 funding will continue Service Life Extension Program for generators. Other capital equipment replacement includes Radar Product Generator communications, Power Administrators, and Global Positioning System units.
  - E. SEON: No FY 2024 funding requested.
  - F. Expeditionary Weather (ExMET): FY 2024 funding will continue procurement of scalable, tactical weather systems with integrated forecasting and communications capabilities for agile combat operations. System requirements align to Operation Plans (OPLANs) and contingency UTCs for deployed weather Airmen and weather operations support to the joint warfighters. Funding enables rapid fielding in response to AF expeditionary operations needs highlighted in the 2018 NDS. Increase in FY23 funds due to increased fielding of ExMET systems.  
FY24 Budget Year Plans: Continue procurement of components to fulfill OPLANs and contingency UTCs requirements.
2. Weather Data Analysis and Dissemination:
  - A. WDA Inc 4: FY 2024 funding will refresh internal network equipment, computer hardware, and COTS software to provide net-centric delivery of data to the warfighter across all security enclaves. Funding the refresh of hardware, software, and security components are critical to ensure the uninterrupted capability to ingest, process, store, access, and disseminate meteorological and space weather data to the warfighter and risk management framework compliance. Decrease in FY23 funds due to continued transition of WDA Inc 4 applications and capabilities to the AF Weather Virtual Private Cloud (AFW-VPC) platform under WDA Increment 5 (Inc 5) and WARPspeed.  
FY24 Budget Year Plans: Decrease in FY24 funds due to continued transition of WDA Inc 4 applications and capabilities to the AF Weather Virtual Private Cloud (AFW-VPC) platform under WDA Increment 5 (Inc 5) and WARPspeed.
3. Weather Forecasting:
  - A. NWM: FY 2024 funding includes, but is not limited to, procurement of additional storage and network communications components for the High Performance Computing (HPC) System 11 at Oak Ridge National Laboratory (ORNL) and continued hardware procurement to support exploitation of new meteorological satellite data sources for NWM.  
FY24 Budget Year Plans: Increased funding as program begins HPC System 11 service life extension and addition of Graphical Processing Units (GPUs) and expanded storage.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305111F
<b>Line Item MDAP/MAIS Code:</b> N/A		

4. Product Tailoring & Warfighting Apps (PTWA):  
A. WARPspeed: As the activity is completely software-based, no 3080 funding is required.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> FBWS
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	2.312	2.976	5.930	-	5.930
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	2.312	2.976	5.930	-	5.930
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>2.312</b>	<b>2.976</b>	<b>5.930</b>	<b>-</b>	<b>5.930</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Hardware End Item Cost</b>																		
Recurring Cost																		
FMQ-23 <sup>(†)</sup>	-	-	0.000	0.280	1	0.280	0.821	1	0.821	0.395	1	0.395	-	-	-	0.395	1	0.395
SCA <sup>(†)</sup>	-	-	0.000	1.120	1	1.120	0.789	1	0.789	4.126	1	4.126	-	-	-	4.126	1	4.126
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	<i>1.400</i>	-	-	<i>1.610</i>	-	-	<i>4.521</i>	-	-	-	-	-	<i>4.521</i>
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	<i>0.000</i>	-	-	<i>1.400</i>	-	-	<i>1.610</i>	-	-	<i>4.521</i>	-	-	-	-	-	<i>4.521</i>
<b>Support - Support End Item Cost</b>																		
TESTING FMQ-23	-	-	-	-	-	0.000	-	-	0.000	-	-	0.015	-	-	-	-	-	0.015
DIRECT MISSION SUPPORT CONTRACTOR SERVICES FMQ-23	-	-	-	-	-	0.175	-	-	0.181	-	-	0.100	-	-	-	-	-	0.100
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES FMQ 23	-	-	-	-	-	0.474	-	-	0.985	-	-	1.069	-	-	-	-	-	1.069
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES FMQ 23	-	-	-	-	-	0.263	-	-	0.200	-	-	0.225	-	-	-	-	-	0.225
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	<i>0.912</i>	-	-	<i>1.366</i>	-	-	<i>1.409</i>	-	-	-	-	-	<i>1.409</i>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3						<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast						<b>Item Number / Title [DODIC]:</b> FBWS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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	-	-	0.000	-	-	2.312	-	-	2.976	-	-	5.930	-	-	-	-	-	5.930

**Remarks:**

Note: Actual number of systems procured will be dependent on location and site requirements.

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> FBWS
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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
FMQ-23 <sup>(†)</sup>		2022	Mesotech International, Inc. / Sacramento, CA	Various	AFLCMC Hanscom AFB	Feb 2022	Jun 2022	1	0.280	Y		Jun 2020
FMQ-23 <sup>(†)</sup>		2023	Mesotech International, Inc. / Sacramento, CA	Various	AFLCMC Hanscom AFB	Jan 2023	May 2023	1	0.821	Y		Jul 2022
FMQ-23 <sup>(†)</sup>		2024	Mesotech International, Inc / Sacramento, CA	Various	AFLCMC Hanscom AFB	Jan 2024	May 2024	1	0.395	Y		
SCA <sup>(†)</sup>		2022	Raytheon Company / Omaha, NE	Various	AFLCMC Hanscom AFB	Oct 2021	Jun 2022	1	1.120	Y		May 2021
SCA <sup>(†)</sup>		2023	Raytheon Company / Omaha, NE	Various	AFLCMC Hanscom AFB	Mar 2023	Jul 2024	1	0.789	Y		Jul 2022
SCA <sup>(†)</sup>		2024	Raytheon Company / Omaha, NE	Various	AFLCMC Hanscom AFB	Mar 2024	Jul 2025	1	4.126	Y		Jul 2023

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833070 / Weather Observation Forecast **Item Number / Title [DODIC]:** FBWS

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
FMQ-23																															
	1	2022	AF	1	0	1																							0		
	1	2023	AF	1	0	1																							0		
	2	2024	AF	1	0	1																							1		
SCA																															
	3	2022	AF	1	0	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	3	2023	AF	1	0	1																							1		
	3	2024	AF	1	0	1																							1		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833070 / Weather Observation Forecast **Item Number / Title [DODIC]:** FBWS

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
FMQ-23																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	1	0																							0		
	2	2024	AF	1	0	1					A	-	-	-	-	1													0		
SCA																															
	3	2022	AF	1	1	0																							0		
	3	2023	AF	1	0	1	-	-	-	-	-	-	-	-	-	1													0		
	3	2024	AF	1	0	1																							0		
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> FBWS
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Mesotech International, Inc. - Sacramento, CA				0	0	0	0	0	0	0	0	0
2	Mesotech International, Inc - Sacramento, CA	1	1	1	0	0	0	0	2	4	4	4	8
3	Raytheon Company - Omaha, NE	1	1	1	0	0	0	0	1	6	16	16	22

**Remarks:**  
Reorder Prior to 1 Oct is required is N/A as items aren't delivered prior to the fiscal year beginning

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Weather Data Collection Systems
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	20.163	7.257	11.585	-	11.585
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	20.163	7.257	11.585	-	11.585
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>20.163</b>	<b>7.257</b>	<b>11.585</b>	-	<b>11.585</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Weather Data Collection Systems Cost</b>																		
Recurring Cost																		
IGS <sup>(t)</sup>	-	-	-	7.115	1	7.115	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
MARK IV-B <sup>(t)</sup>	-	-	-	1.360	1	1.360	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
NEXRAD <sup>(t)</sup>	-	-	-	0.402	1	0.402	-	-	0.000	0.446	1	0.446	-	-	-	0.446	1	0.446
SEON <sup>(t)</sup>	-	-	-	2.250	1	2.250	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Expeditionary Weather <sup>(t)</sup>	-	-	-	0.038	232	8.836	0.036	193	6.962	0.036	301	10.829	-	-	-	0.036	301	10.829
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	19.963	-	-	6.962	-	-	11.275	-	-	-	-	-	11.275
<i>Subtotal: Hardware - Weather Data Collection Systems Cost</i>	-	-	-	-	-	<b>19.963</b>	-	-	<b>6.962</b>	-	-	<b>11.275</b>	-	-	-	-	-	<b>11.275</b>
<b>Support - Weather Data Collection Systems Cost</b>																		
ASSISTANCE AND ADVISORY SERVICE A&AS	-	-	-	0.200	1	0.200	0.295	1	0.295	0.310	1	0.310	-	-	-	0.310	1	0.310
<i>Subtotal: Support - Weather Data Collection Systems Cost</i>	-	-	-	-	-	<b>0.200</b>	-	-	<b>0.295</b>	-	-	<b>0.310</b>	-	-	-	-	-	<b>0.310</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>20.163</b>	-	-	<b>7.257</b>	-	-	<b>11.585</b>	-	-	-	-	-	<b>11.585</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Weather Data Collection Systems
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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
IGS <sup>(†)</sup>		2022	GSA OASIS / Colorado Springs	Various	ACC	Mar 2022	Jun 2022	1	7.115	Y		Oct 2021
MARK IV-B <sup>(†)</sup>		2022	Lockheed Martin Space Systems Company / King of Prussia, PA	C / FFP	SSC, LA AFB, CA	Mar 2022	Dec 2023	1	1.360	Y		Nov 2021
NEXRAD <sup>(†)</sup>		2022	Various / Various	MIPR	AFLCMC Tinker AFB	Dec 2021	Jun 2023	1	0.402	Y		
NEXRAD <sup>(†)</sup>		2024	Various / Various	IA	AFLCMC Tinker AFB	Dec 2023	Jun 2025	1	0.446	Y		
SEON <sup>(†)</sup>		2022	Various / TY AD	RO	ARMY/ACC	Jan 2022	Jan 2022	1	2.250	Y		Sep 2021
Expeditionary Weather <sup>(†)</sup>		2022	Intellisense Systems, Inc / Torrance, CA	MIPR	AFLCMC Hanscom AFB	Jul 2022	Nov 2023	232	0.038	Y		Jun 2022
Expeditionary Weather <sup>(†)</sup>		2023	Intellisense Systems, Inc / Torrance, CA	TBD	AFLCMC Hanscom AFB	Apr 2023	Oct 2024	193	0.036	Y		Jan 2023
Expeditionary Weather <sup>(†)</sup>		2024	Intellisense Systems, Inc / Torrance, CA	TBD	AFLCMC Hanscom AFB	Apr 2024	Oct 2025	301	0.036	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Weather Data Collection Systems
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
IGS																															
	1	2022	AF	1	0	1																							0		
MARK IV-B																															
	2	2022	AF	1	0	1																							1		
NEXRAD																															
	3	2022	AF	1	0	1																							0		
	3	2024	AF	1	0	1																							1		
SEON																															
	4	2022	AF	1	0	1																							0		
Expeditionary Weather																															
	5	2022	AF	232	0	232																							232		
	5	2023	AF	193	0	193																							193		
	5	2024	AF	301	0	301																							301		
							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	

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833070 / Weather Observation Forecast **Item Number / Title [DODIC]:** Weather Data Collection Systems

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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			
IGS																																	
1	2022	AF		1	1	0																							0				
MARK IV-B																																	
2	2022	AF		1	0	1	-	-	1																				0				
NEXRAD																																	
3	2022	AF		1	1	0																							0				
3	2024	AF		1	0	1				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0					
SEON																																	
4	2022	AF		1	1	0																							0				
Expeditionary Weather																																	
5	2022	AF		232	0	232	-	80	80	72																			0				
5	2023	AF		193	0	193	-	-	-	-	-	-	-	-	-	-	-	80	80	33										0			
5	2024	AF		301	0	301																							301				
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Weather Data Collection Systems
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							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
IGS																															
	1	2022	AF	1	1	0																							0		
MARK IV-B																															
	2	2022	AF	1	1	0																							0		
NEXRAD																															
	3	2022	AF	1	1	0																							0		
	3	2024	AF	1	1	0																							0		
SEON																															
	4	2022	AF	1	1	0																							0		
Expeditionary Weather																															
	5	2022	AF	232	232	0																							0		
	5	2023	AF	193	193	0																							0		
	5	2024	AF	301	0	301	80	80	80	61																			0		
							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	



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Weather Data Collection Systems
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GSA OASIS - Colorado Springs			1	1	6	3	9	0	0	0	0
2	Lockheed Martin Space Systems Company - King of Prussia, PA			1	1	6	21	27	0	0	0	0
3	Various - Various			1	0	0	0	0	1	3	18	21
4	Various - TY AD			1	1	4	0	4	0	0	0	0
5	Intellisense Systems, Inc - Torrance, CA			400	0	0	0	0	1	7	18	25

**Remarks:**  
 SEON/IGS sites (5) are sustained and are not produced - MSR/MAX/ECON are N/A for this  
 MARK IV-B is sustained, not produced, so is N/A  
 NEXRAD sites are maintained and updated/fixed but not produced so N/A as well

Reorder Prior to 1 Oct is required is N/A as items aren't delivered prior to the fiscal year beginning

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Numerical Weather Modeling
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.358	8.673	10.828	-	10.828
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	1.358	8.673	10.828	-	10.828
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>1.358</b>	<b>8.673</b>	<b>10.828</b>	-	<b>10.828</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Numerical Weather Modeling Cost																		
Recurring Cost																		
Numerical Weather Modeling <sup>(t)</sup>	-	-	-	1.358	1	1.358	8.673	1	8.673	10.828	1	10.828	-	-	-	10.828	1	10.828
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.358	-	-	8.673	-	-	10.828	-	-	-	-	-	10.828
<i>Subtotal: Hardware - Numerical Weather Modeling Cost</i>	-	-	-	-	-	1.358	-	-	8.673	-	-	10.828	-	-	-	-	-	10.828
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.358	-	-	8.673	-	-	10.828	-	-	-	-	-	10.828

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Numerical Weather Modeling
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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
Numerical Weather Modeling <sup>(†)</sup>		2022	Northrup Grumman / Bellevue, NE	MIPR	AFLCMC/HB - Battle Management	May 2022	Dec 2022	1	1.358	Y		Mar 2022
Numerical Weather Modeling <sup>(†)</sup>		2023	Northrup Grumman / Bellevue, NE	MIPR	AFLCMC/HB - Battle Management	May 2023	Dec 2023	1	8.673	Y		Mar 2023
Numerical Weather Modeling <sup>(†)</sup>		2024	Northrup Grumman / Bellevue, NE	MIPR	AFLCMC/HB - Battle Management	May 2024	Dec 2024	1	10.828	Y		Mar 2024

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Numerical Weather Modeling
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023																
							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							
Numerical Weather Modeling																																					
1	2022	AF		1	0	1									A	-	-	-	-	-	-	-	-	-	-	-	-	-	1				0				
1	2023	AF		1	0	1																										A	-	-	-	-	1
1	2024	AF		1	0	1																													1		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833070 / Weather Observation Forecast **Item Number / Title [DODIC]:** Numerical Weather Modeling

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Numerical Weather Modeling																															
1		2022	AF	1	1	0																							0		
1		2023	AF	1	0	1	-	-	1																				0		
1		2024	AF	1	0	1							A	-	-	-	-	-	-	-	-	-	1						0		
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> Numerical Weather Modeling
---	---	---

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Northrup Grumman - Bellevue, NE	1	5	10	0	0	0	0	0	1	8	7	15

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> WDA Inc-4
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	8.543	1.642	0.187	-	0.187
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	8.543	1.642	0.187	-	0.187
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>8.543</b>	<b>1.642</b>	<b>0.187</b>	-	<b>0.187</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - WDA Inc-4 Cost</b>																		
Non Recurring Cost																		
Hardware-Weather Service Cost <sup>(t)</sup>	-	-	-	8.173	1	8.173	1.570	1	1.570	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	8.173	-	-	1.570	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - WDA Inc-4 Cost</i>	-	-	-	-	-	8.173	-	-	1.570	-	-	-	-	-	-	-	-	-
<b>Support - WDA Inc-4 Cost</b>																		
PROGRAM MANAGEMENT ADMINISTRATION CONTRACTOR SERVICES	-	-	-	0.097	1	0.097	-	-	-	-	-	-	-	-	-	-	-	-
PROGRAM MANAGEMENT ADMINISTRATION OTHER GOVERNMENT SERVICES	-	-	-	0.273	1	0.273	0.072	1	0.072	0.187	1	0.187	-	-	-	0.187	1	0.187
<i>Subtotal: Support - WDA Inc-4 Cost</i>	-	-	-	-	-	0.370	-	-	0.072	-	-	0.187	-	-	-	-	-	0.187
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	8.543	-	-	1.642	-	-	0.187	-	-	-	-	-	0.187

<sup>(t)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast	<b>Item Number / Title [DODIC]:</b> WDA Inc-4
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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
Hardware-Weather Service Cost <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HB - Battle Management	Feb 2022	Aug 2022	1	8.173	Y		Oct 2021
Hardware-Weather Service Cost <sup>(†)</sup>		2023	Various / Various	Various	AFLCMC/HB - Battle Management	Feb 2023	Aug 2023	1	1.570	Y		Oct 2022

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
Advised to input Yes as SPECS aren't applied to WDA Inc 4 as more development with RDT&E is not needed.



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 3 **P-1 Line Item Number / Title:** 833070 / Weather Observation Forecast **Item Number / Title [DODIC]:** WDA Inc-4

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
Hardware-Weather Service Cost																																	
1		2022	AF	1	0	1																								0			
1		2023	AF	1	0	1																								0			

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833070 / Weather Observation Forecast
		<b>Item Number / Title [DODIC]:</b> WDA Inc-4

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	5	6	11

**Remarks:**  
Reorder Prior to 1 Oct is required is N/A as items aren't delivered prior to the fiscal year beginning

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 833140 / Strategic Command And Control  
 Equip / BSA 3: Electronics Programs

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	38.162	121.333	73.593	-	73.593	49.958	65.156	56.235	63.179	-	467.616
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	38.162	121.333	73.593	-	73.593	49.958	65.156	56.235	63.179	-	467.616
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>38.162</b>	<b>121.333</b>	<b>73.593</b>	-	<b>73.593</b>	<b>49.958</b>	<b>65.156</b>	<b>56.235</b>	<b>63.179</b>	-	<b>467.616</b>

*(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:**

PE 0101127F B-2 Squadrons:

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 laboratories. This includes commercial off-the-shelf (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.

The B-2 WSSC 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).

PE 0101238F - Long Range Standoff :

The purpose of this program is to conduct and support United States Air Force (USAF) and Joint Department of Defense (DoD) / Department of Energy (DOE) acquisition activities for the modernization of nuclear weapons.

The Long Range Stand Off (LRSO) Cruise Missile is a long range survivable stand-off weapon capable of delivering lethal nuclear effect on strategic targets. LRSO will replace the currently fielded Air Launched Cruise Missile (ALCM) and will be integrated on both legacy and future bomber aircraft. The LRSO weapon system will be capable of penetrating and surviving advanced Integrated Air Defense Systems (IADS) from significant stand-off range to prosecute strategic targets in support of the Air Force's global attack capability and strategic deterrence core function.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The program includes necessary nuclear surety and certification activities and vulnerability assessments.</p> <p>PE 0101316F Worldwide Joint Strategic Communications:</p> <p>Emergency Action Messages (EAMs) 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 procure system components, spares, software, and necessary support services for systems such as the Strategic Automated Command and Control System (SACCS), Phoenix Air-to-Ground Communication Network (PAGCN), and Defense Injection Reception EAM C2 Terminals (DIRECT).</p> <p>SACCS is a secure Nuclear Command, Control, and Communications (NC3) system that directly supports 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, EAMs, and automated intercontinental ballistic missile (ICBM) re-targeting data to the USAF's two legs (ICBM and bomber fleets) of the nuclear triad; the reconnaissance, tanker, USAFE munitions, and Special Operations communities; and to other Active Duty, Guard, and Reserve DoD users worldwide.</p> <p>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 specific items procured may vary depending upon available technology at the time of procurement. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p> <p>PAGCN is a critical component of the Senior Leadership Command, Control and Communications System (SLC3S) that extends terrestrial Defense Information Systems Network (DISN) connectivity via an air-to-ground line-of-sight (LoS) communications path to select Airborne and Ground Mobile platforms, and provides an air-to-air LoS communications path between PAGCN-equipped platforms. The FY2018 NDAA directed the transfer of the PAGCN program from the Defense Information Systems Agency (DISA) to the Air Force Program Executive Officer for Nuclear Command, Control and Communications (AFPEO NC3); the program office transition from DISA to the Air Force was completed on 1 Oct 2020. FY23 funds were used to procure 2 new Ground Entry Points, in order to build the PAGCN capability to the level required by the Joint Requirements Oversight Council (JROC)-validated Capability Production Document (CPD). FY24 funds will be used to procure 2 new Ground Entry Points. Additional information can be provided at higher classification levels.</p> <p>Development funding for this exhibit contained in PE 0101316F.</p> <p>PE 0301112F Nuclear Planning and Execution System (NPES):</p> <p>NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): NPES is a National Command and Control (C2) automated information system (AIS) that supports all phases of nuclear conflict. The requirement includes all facets of Cyber investments as it relates NPES Legacy enhancements, test, communication systems and operational server integration with fixed command centers, distributed sites, and mobile platforms. NPES Legacy is a joint program, with the Air Force assigned lead service responsibilities. All NPES funding covers current and future cyber related investments necessary for a successful operational application/system delivery, for fixed command centers, distributive sites, and mobile platforms.</p> <p>NPES cyber investments include procurement supporting communications equipment, operational sites, and PMA contractor support for equipment purchases, sustainment activities, and security certifications. These cyber investments will be accomplished by command supported contracts as well as Defense Microelectronics Activity (DMEA) supporting airborne enhancements.</p> <p>PE 0304115F Joint All Domain Command &amp; Control (JADC2):</p> <p>The USAF's Advanced Battle Management System (ABMS) Battle Labs provide a warfighter-centric environment for experimentation, innovation, and Tactics Techniques and Procedures (TTP) development for multiple ABMS/JADC2 events and capabilities. The mission of the ABMS Battle Lab is to evolve Joint All-Domain Operations (JADO) concepts and architectures to accelerate delivery of agile, resilient, and integrated joint C2 capabilities.</p> <p>Development funding for this exhibit contained in PE 0604003F.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

PE 0303248F, All Domain Common Platform (ADCP):

The ADCP is an extensible cloud-based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient command and control (C2) mission applications and data to Airmen deployed around the world. ADCP is a warfighting capability that enables any organization to build, deploy and monitor mission applications to the end state of production. Having applications operational in various environments ensures data is accessible as it is needed across Air Force mission sets.

This program is the primary path to production for modernized C2 systems. ADCP is in collaboration with all primary customers of the platform and environment to include Air Operations Center, Intelligence Programs, the Department of the Air Force Rapid Capabilities Office, and others. This program is the USAF's contributing platform to JADC2 for user-facing C2 capability with the resiliency requirements met through the escalating phases of warfare.

Funding supports hardware technology refresh that replaces on premise suites at the data center locations. Technology refresh includes server racks, cables, switches, licenses, warranties, memory heatsinks, computing units, etc.

Funding for this exhibit is contained in PE 0303248F.

FY2023 includes \$34,427 thousand European Deterrence Initiative (EDI) enacted funding. No FY2024 EDI funding is requested.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	B-2 Squadrons	P-5a, P-21	A		- / -	1 / 0.536	1 / 0.517	1 / 0.535	- / -	1 / 0.535
P-5	Long Range Standoff (LRSO)	P-5a, P-21	B		- / -	- / 0.000	1 / 20.442	- / 0.000	- / -	- / 0.000
P-5	Worldwide Joint Strategic Communications	P-5a, P-21	B		- / -	- / 29.751	- / 31.993	- / 25.096	- / -	- / 25.096
P-5	Nuclear Planning and Execution System (NPES)		A		- / -	- / 0.000	- / 0.216	- / 0.000	- / -	- / 0.000
P-5	All Domain Common Platform	P-5a, P-21	A		- / -	1 / 3.541	5 / 30.738	2 / 9.991	- / -	2 / 9.991
P-5	Joint All Domain Command & Control (JADC2)	P-5a, P-21	A		- / -	- / 4.334	- / 37.427	- / 37.971	- / -	- / 37.971
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 38.162</b>	<b>- / 121.333</b>	<b>- / 73.593</b>	<b>- / -</b>	<b>- / 73.593</b>

\*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 sum exactly due to rounding.

**Justification:**  
PE 0101127F B-2 Squadrons: FY2024 funding will procure B-2 system software updates.

PE 0101316F Worldwide Joint Strategic:

- DIRECT: FY2024 PB funds (0.064M) will procure DIRECT/NC3 architecture upgrades & support.
- PAGCN: FY2024 PB funds (25.032M) will procure 2 new Ground Entry Points to build the PAGCN capability to the required level.

PE 0301112F Nuclear Planning and Execution System (NPES):

In FY 2024, PE 0301112F Nuclear Planning & Execution System (NPES), Project 833140, Strategic C2 will be transferred to PE 0304110F, Strategic Mission Planning & Execution System (SMPES), Project 833570, aligning legacy PEs under a single PE to begin the SMPES integration efforts.

PE 0304115F Joint All Domain Command & Control (JADC2):

FY24 funds will be used to continue building up the USAF's Distributed ABMS/JADC2 Battle Lab comm-IT architecture to support ABMS experimentation and integration activities required to evaluate advanced technologies such as Defense Advanced Research Projects Agency's (DARPA) Air Space Total Awareness for Rapid Tactical Execution (ASTARTE), Air Force Research Laboratory's (AFRL) Rapid Deployable Air Operations Center (RDAOC), Air Combat Command's (ACC) Global Command and Control Network (GC2N) and other leading C2 capabilities that being developed for possible inclusion in the AOC Block 20 or new Battle Management Command and Control (BMC2) ecosystem. Additionally, funds will be used on Capital Equipment Replacement (CER) of established comm-IT equipment which are reaching End of Life/End of Support (EoL/EoS) in the FY23 time frame.

These funds support the European Deterrence Initiative (EDI). The United States Air Forces's Europe and Africa (U-A) C2 architecture requires a high-quality, robust, secure, and resilient Radio Frequency (RF) voice communication platform that extends ground-to-air radio coverage in theater and enhances theater C2 capability. US tactical C2 nodes in theater are unable to maintain positive control of assigned air assets due to lack of ground-to-air radio coverage in theater. A highly accessible radio network, consisting of UHF/VHF, HF, TACSAT, and Link-16 with Over The Air Encryption capability emplaced on US controlled and Partner facilities will close RF communication gaps in the United States European Command (EUCOM) theater. The capability must also be postured for network accreditation to enable quick

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>implementation to enable agile/dispersed tactical command and control (i.e. Agile BMC2 Mission Employment). Increased ground-to-air coverage enhances the ability to distribute recognized air picture and improve overall theater indications and warning, safety of flight, and situational awareness across mission sets.</p> <p>FY24 funds support the European Deterrence Initiative. EUCOM/United States Air Forces in Europe (USAFE) requires the ability to detect and track airborne assets across the theater, both friendly and adversarial, and report the status to the EUCOM/NATO leadership chains. The Sensor Fusion and Processing Hub will give USAFE the ability to ingest both partner nation and US sensors to create a Recognizable Air Picture for enhanced Air Domain Awareness. The capability will close multiple gaps that exist across the EUCOM theater with a lack of US-controlled sensors.</p> <p>Additionally, FY24 funds will be used in accordance with Ukraine Supplemental, Division M of P.L. 117-328.</p> <p>PE 0303248F, All Domain Common Platform (ADCP)</p> <p>In FY24, funds will be used for hardware tech refresh that will replace on-premise suites at two ADCP data center locations.</p> <p>Commercial Solutions for Classified (CSfC). In FY24, the ABMS Battle Lab intends to procure additional CSfC networking equipment to supplement the established CSfC architecture used for remote connectivity to the ABMS Battle Lab.</p> <p>There is \$34,427 thousand enacted European Defense Initiative funding FY2023. No European Defense Initiative funding is requested in FY2024.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> B-2 Squadrons

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	1	1	1	-	1
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.536	0.517	0.535	-	0.535
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.536	0.517	0.535	-	0.535
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.536</b>	<b>0.517</b>	<b>0.535</b>	-	<b>0.535</b>

*(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	0.000	0.000	-	0.000
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	0.536	0.517	0.535	-	0.535

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - B-2 Squadrons Cost																		
Recurring Cost																		
Software Update <sup>(†)</sup>	-	-	-	0.536	1	0.536	0.517	1	0.517	0.535	1	0.535	-	-	-	0.535	1	0.535
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.536	-	-	0.517	-	-	0.535	-	-	-	-	-	0.535
<i>Subtotal: Software - B-2 Squadrons Cost</i>	-	-	-	-	-	0.536	-	-	0.517	-	-	0.535	-	-	-	-	-	0.535
<b>Gross/Weapon System Cost</b>	-	-	-	0.536	1	0.536	0.517	1	0.517	0.535	1	0.535	-	-	-	0.535	1	0.535

**Remarks:**

Annual budgets below \$600K are normally below the threshold of requiring a P-5A, but the SAC has specifically requested P-5, P5A and P-21 be submitted for all BP83 & BP84 programs that have been using P-40As.

Gross/Weapon System Cost Unit Cost and Unit Total amounts not listed in Resource Summary Unit Cost/Total Cost section.

<sup>(†)</sup> indicates the presence of a P-5a



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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> B-2 Squadrons
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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
Software Update		2022	Northrop Grumman / Palmdale, CA	PO	AFLCMC Tinker AFB	Apr 2022	Apr 2023	1	0.536	Y		Mar 2022
Software Update		2023	Northrop Grumman / Palmdale, CA	TBD	AFLCMC Tinker AFB	Apr 2023	Apr 2024	1	0.517	Y		
Software Update <sup>(†)</sup>		2024	Northrop Grumman / Palmdale, CA	TBD	AFLCMC Tinker AFB	Apr 2024	Apr 2025	1	0.535	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> B-2 Squadrons
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
Software Update																																			
	1	2024	AF		1	0	1																									1			

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> B-2 Squadrons
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Software Update																															
1		2024	AF	1	0	1																									

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> B-2 Squadrons
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Northrop Grumman - Palmdale, CA	1	1	1	1	7	12	19	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Long Range Standoff (LRSO)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	1	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	20.442	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	20.442	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.000</b>	<b>20.442</b>	<b>0.000</b>	-	<b>0.000</b>

*(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>	-	-	20.442	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>
Hardware - Long Range Standoff (LRSO) Cost																		
Non Recurring Cost																		
hardware <sup>(t)</sup>	-	-	-	-	-	0.000	20.442	1	20.442	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	20.442	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Long Range Standoff (LRSO) Cost</i>	-	-	-	-	-	0.000	-	-	20.442	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	20.442	1	20.442	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**

PE 0101238F Long Range Standoff (LRSO) - 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.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Long Range Standoff (LRSO)
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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
hardware <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jan 2023	Jan 2023	1	20.442	N	Dec 2022	

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
 First Delivery is TBD.  
 Detailed information is classified and will be provided on a need-to-know basis. For further information, please contact SAF/AQPN.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Long Range Standoff (LRSO)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
hardware																															
	1	2023	AF	1	0	1	A1																								0
							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	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Long Range Standoff (LRSO)
---	--	---

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	0	4	0	4	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Worldwide Joint Strategic Communications

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	29.751	31.993	25.096	-	25.096
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	29.751	31.993	25.096	-	25.096
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>29.751</b>	<b>31.993</b>	<b>25.096</b>	-	<b>25.096</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware - Worldwide Joint Strategic Communications Cost</b>																		
<b>Non Recurring Cost</b>																		
Defense Injection/ Reception Emergency Action Message Command and Control Terminal (DIRECT)	-	-	-	1.507	1	1.507	7.386	1	7.386	0.064	1	0.064	-	-	-	0.064	1	0.064
Phoenix Air-to-Ground Communications Network (PAGCN) <sup>(t)</sup>	-	-	-	14.122	2	28.244	12.303	2	24.607	12.516	2	25.032	-	-	-	12.516	2	25.032
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	29.751	-	-	31.993	-	-	25.096	-	-	-	-	-	25.096
<i>Subtotal: Hardware - Worldwide Joint Strategic Communications Cost</i>	-	-	-	-	-	29.751	-	-	31.993	-	-	25.096	-	-	-	-	-	25.096
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	29.751	-	-	31.993	-	-	25.096	-	-	-	-	-	25.096

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control					<b>Item Number / Title [DODIC]:</b> Worldwide Joint Strategic Communications				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Phoenix Air-to-Ground Communications Network (PAGCN) <sup>(†)</sup>		2022	L3Harris / Salt Lake City, UT	SS / CPFF	AFMC	Apr 2022	Oct 2023	2	14.122	N	Mar 2022	
Phoenix Air-to-Ground Communications Network (PAGCN) <sup>(†)</sup>		2023	L3Harris / Salt Lake City, UT	SS / CPFF	AFMC	Dec 2022	Oct 2024	2	12.303	N	Nov 2022	
Phoenix Air-to-Ground Communications Network (PAGCN) <sup>(†)</sup>		2024	L3Harris / Salt Lake City, UT	SS / CPFF	AFMC	Dec 2023	Oct 2025	2	12.516	N	Sep 2023	

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																		<b>Date:</b> March 2023											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control										<b>Item Number / Title [DODIC]:</b> Worldwide Joint Strategic Communications									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Phoenix Air-to-Ground Communications Network (PAGCN)																																			
1		2022	AF	2	0	2	2																							0					
1		2023	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2												0				
1		2024	AF	2	0	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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3										<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control										<b>Item Number / Title [DODIC]:</b> Worldwide Joint Strategic Communications									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026														Fiscal Year 2027														B A L A N C E
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							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					
Phoenix Air-to-Ground Communications Network (PAGCN)																																			
	1	2022	AF	2	2	0																												0	
	1	2023	AF	2	2	0																												0	
	1	2024	AF	2	0	2	2																											0	
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
		<b>Item Number / Title [DODIC]:</b> Worldwide Joint Strategic Communications

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	L3Harris - Salt Lake City, UT	1	1	2	0	3	22	25	0	0	0	0

**Remarks:**  
 FY24 PAGCN Procurement funding will be executed on existing IDIQ contract immediately upon receipt of funds. Site is operational 18-24 months after contract award, pending specific site requirements.

"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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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Nuclear Planning and Execution System (NPES)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>		-	0.000	0.216	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>		-	0.000	0.216	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>		-	<b>0.000</b>	<b>0.216</b>	<b>0.000</b>	-	<b>0.000</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - PMA / Omnibus Cost																		
50660	-	-	-	0.000	1	0.000	0.216	1	0.216	0.000	1	0.000	-	-	-	0.000	1	0.000
<i>Subtotal: Support - PMA / Omnibus Cost</i>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.216</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.216</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3				<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control			<b>Item Number / Title [DODIC]:</b> All Domain Common Platform		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )				-	1	5	2	-	2
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-	3.541	30.738	9.991	-	9.991
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-	3.541	30.738	9.991	-	9.991
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )				-	<b>3.541</b>	<b>30.738</b>	<b>9.991</b>	-	<b>9.991</b>
<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> )				-	3.541	6.148	4.996	-	4.996

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - All Domain Common Platform Cost																		
Non Recurring Cost																		
Tech Refresh Materials <sup>(t)</sup>	-	-	-	3.541	1	3.541	30.738	1	30.738	9.991	1	9.991	-	-	-	9.991	1	9.991
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	3.541	-	-	30.738	-	-	9.991	-	-	-	-	-	9.991
<i>Subtotal: Hardware - All Domain Common Platform Cost</i>	-	-	-	-	-	3.541	-	-	30.738	-	-	9.991	-	-	-	-	-	9.991
<b>Gross/Weapon System Cost</b>	-	-	-	3.541	1	3.541	6.148	5	30.738	4.996	2	9.991	-	-	-	4.996	2	9.991

**Remarks:**

The number of geographic sites that ADCP hardware will be fielded to each year will change, so total costs will fluctuate between fiscal years.

<sup>(t)</sup> indicates the presence of a P-5a



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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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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
Tech Refresh Materials		2022	Various / Various	Various	Hanscom AFB	Jan 2022	Jan 2022	1	3.541	Y		
Tech Refresh Materials		2023	Agile Defense / Various	C / FFP	Hanscom AFB	May 2023	Jun 2023	1	30.738	Y		
Tech Refresh Materials <sup>(†)</sup>		2024	TBD / Various	TBD	Hanscom AFB	May 2024	Jun 2024	1	9.991	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
---	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
Tech Refresh Materials																																			
1		2024	AF	1	0	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	1				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
---	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Tech Refresh Materials																															
	1	2024	AF	1	0	1																									0

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - Various	1	2	8	0	8	1	9	2	8	1	9

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control	<b>Item Number / Title [DODIC]:</b> Joint All Domain Command & Control (JADC2)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.334	37.427	37.971	-	37.971
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	4.334	37.427	37.971	-	37.971
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>4.334</b>	<b>37.427</b>	<b>37.971</b>	-	<b>37.971</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Joint All Domain Command & Control (JADC2) - ShadowOC Cost																		
Non Recurring Cost																		
Unified Access Gateway / Comm-IT	-	-	-	1.280	1	1.280	-	-	-	-	-	-	-	-	-	-	-	-
Data Diodes / Comm-IT <sup>(†)</sup>	-	-	-	1.254	1	1.254	-	-	-	-	-	-	-	-	-	-	-	-
TS Digital Environment / Comm-IT	-	-	-	1.800	1	1.800	-	-	-	-	-	-	-	-	-	-	-	-
IL-6 ADCP Experimentation Environment / Comm-IT <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	3.500	1	3.500	-	-	-	3.500	1	3.500
Commercial Solutions for Classified Program (CSfC) / Networking Security <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.626	1	1.626	-	-	-	1.626	1	1.626
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	4.334	-	-	-	-	-	5.126	-	-	-	-	-	5.126
<i>Subtotal: Hardware - Joint All Domain Command &amp; Control (JADC2) - ShadowOC Cost</i>	-	-	-	-	-	4.334	-	-	-	-	-	5.126	-	-	-	-	-	5.126

Hardware - Joint All Domain Command & Control (JADC2) EDI Cost																		
Non Recurring Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3							<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control						<b>Item Number / Title [DODIC]:</b> Joint All Domain Command & Control (JADC2)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Ground to Air Transmit Receive (GATR) <sup>(t)</sup>	-	-	-	-	-	-	3.443	10	34.427	-	-	-	-	-	-	-	-	-
Sensor Fusion and Processing System <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	31.095	1	31.095	-	-	-	31.095	1	31.095
Communication Support Equipment <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	1.750	1	1.750	-	-	-	1.750	1	1.750
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	34.427	-	-	32.845	-	-	-	-	-	32.845
<i>Subtotal: Hardware - Joint All Domain Command &amp; Control (JADC2) EDI Cost</i>	-	-	-	-	-	-	-	-	34.427	-	-	32.845	-	-	-	-	-	32.845
<b>Hardware - Joint All Domain Command &amp; Control (JADC2) Cost</b>																		
<b>Non Recurring Cost</b>																		
Supplemental Ukraine Assistance (On-Ramp Operations)	-	-	-	-	-	-	3.000	1	3.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	3.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Joint All Domain Command &amp; Control (JADC2) Cost</i>	-	-	-	-	-	-	-	-	3.000	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.334	-	-	37.427	-	-	37.971	-	-	-	-	-	37.971

**Remarks:**  
FY2023 includes 34,427 thousand in Overseas Operational Costs enacted budget.

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control				<b>Item Number / Title [DODIC]:</b> Joint All Domain Command & Control (JADC2)					

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
Data Diodes / Comm-IT <sup>(†)</sup>		2022	TBD (Various) / TBD	Various	Nellis AFB, NV	May 2023	Aug 2023	1	1.254	Y		
IL-6 ADCP Experimentation Environment / Comm-IT <sup>(†)</sup>		2024	TBD (Various) / TBD	Various	Nellis AFB, NV	Nov 2023	Feb 2024	1	3.500	Y		
Commercial Solutions for Classified Program (CSfC) / Networking Security <sup>(†)</sup>		2024	TBD (Various) / TBD	Various	Nellis AFB, NV	Jan 2024	Apr 2024	1	1.626	Y		
Ground to Air Transmit Receive (GATR) <sup>(†)</sup>		2023	Booz Allen Hamilton / McLean, VA	MIPR	USAFE	Apr 2023	Nov 2023	10	3.443	Y		
Sensor Fusion and Processing System		2024	Booz Allen Hamilton / McLean, VA	MIPR	USAFE	Nov 2023	Aug 2024	1	31.095	Y		
Communication Support Equipment		2024	Booz Allen Hamilton / McLean, VA	MIPR	USAFE	Nov 2023	Aug 2024	1	1.750	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force														<b>Date:</b> March 2023																											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3														<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control														<b>Item Number / Title [DODIC]:</b> Joint All Domain Command & Control (JADC2)													

Cost Elements (Units in Each)							Fiscal Year 2023														Fiscal Year 2024														BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							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					
Data Diodes / Comm-IT																																			
1		2022	AF	1	0	1																									0				
IL-6 ADCP Experimentation Environment / Comm-IT																																			
2		2024	AF	1	0	1																									0				
Commercial Solutions for Classified Program (CSfC) / Networking Security																																			
3		2024	AF	1	0	1																									0				
Ground to Air Transmit Receive (GATR)																																			
4		2023	AF	10	0	10																									9				



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3		<b>P-1 Line Item Number / Title:</b> 833140 / Strategic Command And Control
		<b>Item Number / Title [DODIC]:</b> Joint All Domain Command & Control (JADC2)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD (Various) - TBD	1	1	1	1	20	3	23	0	0	0	0
2	TBD (Various) - TBD	1	1	1	1	2	3	5	0	0	0	0
3	TBD (Various) - TBD	1	1	1	1	4	3	7	0	0	0	0
4	Booz Allen Hamilton - McLean, VA	1	1	1	1	7	7	14	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 833160 / Cheyenne Mountain Complex Equip / BSA 3: Electronics Programs

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0305903F, 1203906F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	38.711	8.258	6.118	8.221	-	8.221	8.891	9.078	9.396	9.596	0.000	98.269
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	38.711	8.258	6.118	8.221	-	8.221	8.891	9.078	9.396	9.596	0.000	98.269
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>38.711</b>	<b>8.258</b>	<b>6.118</b>	<b>8.221</b>	-	<b>8.221</b>	<b>8.891</b>	<b>9.078</b>	<b>9.396</b>	<b>9.596</b>	<b>0.000</b>	<b>98.269</b>

*(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:**

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.

PE 0305903F - Mobile Consolidated Command Center (MCCC)

Modification for the COMBATANT COMMANDER (CCDR), Mobile Consolidated Command Center (MCCC): The CCDR's Mobile Consolidated Command Center (MCCC) provides command capabilities to accomplish directed missions in the event of a national level emergency. It provides resilient command, control, communications, computers, and intelligence (C4I) capability accomplishing directed COCOM missions. The Mobile Consolidated Command Center (MCCC) provides C4I for Homeland Support/Homeland Defense (HLS/HLD) and U.S. Northern Command (USNORTHCOM).

Mobile Consolidated Command Center (MCCC) Block 05 (FY22-24) will execute Mobile Consolidated Command Center (MCCC) Block 05 modifications which include but are not limited to: 1) Communication system upgrades; 2) Mission and support asset upgrades; 3) Cyber security modernization, 4) Network upgrades; and 5) Environmental and Filtration system upgrades along with and including initial spares and test facility updates required by the fielding of these modification. Last two FYs of each three-year Block are not New Starts.

PE 1203906F - NCMC - ITW/AA SYSTEM

In FY 2022, P-1 Line Item 833160 / Cheyenne Mountain Complex PE 123906F efforts were transferred to Appropriation 3022F, Procurement, Space Force, P-1 Line Item SPCMOD / Space Mods, PE 123906SF Cheyenne Mountain Complex, from Appropriation 3080F due to the creation of a new Appropriation for Space Force.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 833160 / Cheyenne Mountain Complex Equip / BSA 3: Electronics Programs

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0305903F, 1203906F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	007 / Mobile Consolidated Command Center Upgrade Block 05 (Reliability & Maintainability)		B		- / -	- / 8.058	- / 6.118	- / 8.221	- / 0.000	- / 8.221
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 38.711</b>	<b>- / 8.258</b>	<b>- / 6.118</b>	<b>- / 8.221</b>	<b>- / -</b>	<b>- / 8.221</b>
Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	007 / Mobile Consolidated Command Center Upgrade Block 05 (Reliability & Maintainability)		B		- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 22.397
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 8.891</b>	<b>- / 9.078</b>	<b>- / 9.396</b>	<b>- / 9.596</b>	<b>- / 0.000</b>	<b>- / 98.269</b>

\*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 sum exactly due to rounding.

**Justification:**

PE 0305903F - Mobile Consolidated Command Center (MCCC)

The CCDR's Mobile Consolidated Command Center (MCCC) provides a resilient command, control, communications, computers, intelligence (C4I), reliability and maintainability capability while accomplishing directed COCOM missions. The Mobile Consolidated Command Center (MCCC) provides C4I for Homeland Security Support/Homeland Defense (HLS/HLD) and USNORTHCOM missions. Mobile Consolidated Command Center (MCCC) modification efforts funded in this line include upgrading Mobile Consolidated Command Center (MCCC) shelters and incorporating additional C4I system capabilities via mobile Information Technology and Communication Upgrade projects; ensuring the platform's ability to rapidly deploy, re-constitute and operate. Mobile Consolidated Command Center (MCCC) Block 05 will span three fiscal years (22-24) and will then roll into Block 06 for three years (25-27) and then block 7 (28-30). Different blocks do not signify a new start but rather is an internal tracking system. Block 05 though 07 modifications will include but are not limited to: 1) Communication system upgrades; 2) Mission and support asset upgrades; 3) Cyber security modernization, 4) Network upgrades; and 5) Environmental and Filtration system upgrades along with and including initial spares and test facility updates required by the fielding of these modification. Due to the limited spares demand rate, and indefinite system lifespan, Life of Type buys may be required to support weapons system modifications across the active Mobile Consolidated Command Center (MCCC) Block Programs. FY23 & FY24 funding will also provide Program Management Administration (PMA) support for the MCCC Block 05 Program initiated in FY22. PMA includes acquisition support/strategy, engineering and technical expertise associated with procurement, support services, test, travel and other program related costs associated with install of procurement equipment. Funding for this effort is in program element 0305903F and is funded IAW full funding policy.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833160 / Cheyenne Mountain Complex	<b>Modification Number / Title:</b> 007 / Mobile Consolidated Command Center Upgrade Block 05

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	8.058	6.118	8.221	0.000	8.221	0.000	0.000	0.000	0.000	-	22.397
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	8.058	6.118	8.221	0.000	8.221	0.000	0.000	0.000	0.000	-	22.397
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>8.058</b>	<b>6.118</b>	<b>8.221</b>	<b>0.000</b>	<b>8.221</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>22.397</b>
<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 resilient command, control, communications, computers, intelligence (C4I), reliability and maintainability capability while accomplishing directed COCOM missions. The MCCC provides C4I for Homeland Security Support/Homeland Defense (HLS/HLD) and USNORTHCOM missions. MCCC modification efforts funded in this line include upgrading MCCC shelters and incorporating additional C4I systems capabilities via mobile Information Technology and Communication Upgrade projects; ensuring the platform's ability to rapidly deploy, re-constitute and operate. Block 05 will span three fiscal years (22-24); in FY23 & FY24, this line will continue to fund MCCC Block 05 modifications. MCCC Block 05 modifications include but are not limited to: 1) Communication system upgrades; 2) Mission and support asset upgrades; 3) Cyber security modernization; 4) Network upgrades; 5) Environmental and Filtration system upgrades along with and including initial spares and test facility updates required by the fielding of these modifications. Due to the limited spares demand rate and indefinite system lifespan, Life of Type buys may be required to support weapon system modifications across the active MCCC Block Programs. Additionally, FY23 & FY24 funding will fund PMA support for the MCCC Block 05 program initiated with FY22. PMA costs fund acquisition support strategy as well as engineering and technical expertise associated with procurement activities. In addition, PMA costs will also support equipment test, travel, and other program related costs associated with install of procurement equipment. Funding for this effort is in Program Element 0305903F and is funded IAW funding policy. This program is NOT a new start.

Milestone/Development Status

Sustainment

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833160 / Cheyenne Mountain Complex	<b>Modification Number / Title:</b> 007 / Mobile Consolidated Command Center Upgrade Block 05

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Models of Systems Affected:</b> CheyenneMountainComplex	<b>Modification Type:</b> Reliability & Maintainability	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> MCCC (6)												
B Kits												
Recurring												
MCCC:EQUIPMENT Group B (Active)	- / -	1 / 5.202	1 / 4.118	1 / 5.545	- / -	1 / 5.545	- / -	- / -	- / -	- / -	- / -	3 / 14.865
<i>Subtotal: Recurring</i>	- / -	- / 5.202	- / 4.118	- / 5.545	- / -	- / 5.545	- / -	- / -	- / -	- / -	- / -	- / 14.865
<i>Subtotal: MCCC (6)</i>	- / -	- / 5.202	- / 4.118	- / 5.545	- / -	- / 5.545	- / -	- / -	- / -	- / -	- / -	- / 14.865
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 5.202	- / 4.118	- / 5.545	- / -	- / 5.545	- / -	- / -	- / -	- / -	- / -	- / 14.865
<b>Support (All Modification Items)</b>												
PMA - Contractor Services	- / -	- / 1.228	- / 1.000	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 3.228
<i>Subtotal: Support</i>	- / -	- / 1.228	- / 1.000	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / 3.228
<b>Installation</b>												
<i>Modification Item 1 of 1:</i> MCCC (6)	- / -	1 / 1.628	1 / 1.000	1 / 1.676	- / -	1 / 1.676	- / -	- / -	- / -	- / -	- / -	3 / 4.304
<i>Subtotal: Installation</i>	- / -	1 / 1.628	1 / 1.000	1 / 1.676	- / -	1 / 1.676	- / -	- / -	- / -	- / -	- / -	3 / 4.304
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	-	8.058	6.118	8.221	0.000	8.221	0.000	0.000	0.000	0.000	-	22.397

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833160 / Cheyenne Mountain Complex	<b>Modification Number / Title:</b> 007 / Mobile Consolidated Command Center Upgrade Block 05

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** MCCC (6)

**Manufacturer Information**

Manufacturer Name: CACI, Inc.	Manufacturer Location: Albuquerque, NM
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 8

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024				
Delivery Dates	Sep 2022	Sep 2023	Sep 2024				

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	1 / 1.628	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.628
FY 2023	- / -	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2024	- / -	- / -	- / -	1 / 1.676	- / -	1 / 1.676	- / -	- / -	- / -	- / -	- / -	1 / 1.676
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	1 / 1.628	1 / 1.000	1 / 1.676	- / -	1 / 1.676	- / -	- / -	- / -	- / -	- / -	3 / 4.304

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
Out	0	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 833170 / Mission Planning Systems

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0208006F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	13.903	13.947	17.078	-	17.078	18.463	18.851	19.511	19.926	-	121.679
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	13.903	13.947	17.078	-	17.078	18.463	18.851	19.511	19.926	-	121.679
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>13.903</b>	<b>13.947</b>	<b>17.078</b>	-	<b>17.078</b>	<b>18.463</b>	<b>18.851</b>	<b>19.511</b>	<b>19.926</b>	-	<b>121.679</b>

*(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 Mission Planning Systems (MPS) Hardware program procures commercial items, computing systems hardware and hardware-related requirements for Air Force active duty, Air National Guard, and Air Force 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 life cycle replacement 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 Air National Guard and Air Force Reserve Forces.

The program continues the procurement of commercial items, computing hardware and other devices associated with the Mission Planning Systems program. It also continues the procurement of all capital replacement hardware used in conjunction with MPS and other pre-, post-, and in-flight mission planning software. Together this hardware and associated software enables aircrews and other planners to plan the safest, most effective operational missions in a timely manner. As the Mission Planning enterprise modernizes into an open mission systems architecture, the program will continue to provide end items that will support the enterprise infrastructure, software development and deployment for a successful modernization. The program will continue to evolve along-side mission planning modernization efforts to provide and support next generation Mission Planning Systems.

The program procures commercial 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, servers, 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 aircrews to complete the mission planning function. The procured items also enable aircrews 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 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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0208006F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>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 (that necessitates recurrent hardware changes to meet overall system requirements) and advances in commercial technology that makes available new capabilities (which may lower component costs or address component/interface 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 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 commercial-based mission planning hardware and software systems that can be connected to data transfer device systems from USAF aircraft (e.g. F-22, B-1, F-16, F-15, RC/OC-135, E-3, E-4, E-8, C-130, HC-130, EC-130, HH-60, KC-135, KC-46, C-5, KC-10, C-17, A-10, F-35, RQ-4, U-2, B-52, B-2, UH-1, T-38, T-7A) and the support of USAF training requirements. MPS allows aircrews to electronically receive tasking orders, intelligence information, target coordinates, imagery and other information from USAF Command, Control, Communications, Computers, and Intelligence (C4I) systems. 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 and low, precision airdrops (principally with C-17 and C-130 aircraft). 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 personnel) to units in the field from altitudes beyond the reach of some surface-to-air weaponry. This portion of the program procures commercial-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 commercial products will be used to support procurement decisions. This funding request will continue to support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.</p> <p>Funding for this effort is in program element 0208006F.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:**  
833170 / Mission Planning Systems

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0208006F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Mission Planning Systems	P-5a, P-21	A		- / -	- / 13.903	- / 13.947	- / 17.078	- / -	- / 17.078
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 13.903</b>	<b>- / 13.947</b>	<b>- / 17.078</b>	<b>- / -</b>	<b>- / 17.078</b>

\*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 sum exactly due to rounding.

**Justification:**  
FY24 funding will continue procurement of 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. Portable Flight Planning Software (PFPS)) as well as the Joint Mission Planning Systems (JMPS). As part of MPS Modernization, the Mission Planning program is updating the current JMPS architecture with an Open Mission Systems architecture to improve system extensibility, expand the suite of services to meet operational requirements for the warfighter, improve the user interface and overall user experience, improve system performance, and address security vulnerabilities and cybersecurity mandates. The hardware will also accommodate planning system updates based upon new capability incorporation via individual platform Operational Flight Programs (OFPs). All items where appropriate are centrally managed and distributed by the Mission Planning System Support Facility and the Defense Logistics Agency. The following kinds of equipment and mission areas will be supported:

- MPS HARDWARE:** FY24 funding will continue procurement of commercial-based hardware, software, and support services to include (but is not limited to) desktop computers, laptops, tablet PCs, data storage devices, servers, 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 data interoperability with C4I systems. Components can also be networked with additional tailoring to a platform's mission planning environment. The program will procure hardware and software items, warranties, and other services for the following mission planning operational users:  
  
 Air Combat Command (ACC): F-15, F-16,F-22,F-35, A-10, E-3, E-4, E-8,RC/OC-135, HH-60, HC-130, EC-130, U-2, RQ-4  
  
 Air Mobility Command : C-5, C-17, C-130, KC-10, KC-135, KC-46  
  
 Air Force Global Strike Command (AFGSC): B-2, B-52, B-1, UH-1  
  
 Air Education and Training Command (AETC): T-38, T-7A, T-1, T-6
- PRECISION AERIAL DELIVERY SYSTEMS (PADS):** FY24 funding will continue the procurement of Joint Precision Airdrop Systems (JPADS) hardware, software, Line Replaceable Unit (LRU) support equipment for functional checkout (i.e. Automatic Test Equipment or ATE) and other related items. 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, equipment storage and associated hardware warranties. Funding for this effort is in program element 0208006F.
- PROGRAM MANAGEMENT ADMINISTRATION:** FY24 funding provides program office, engineering, and other contractor support for the Mission Planning Systems (MPS) and Joint Precision Airdrop Systems (JPADS) procurement program.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems	<b>Item Number / Title [DODIC]:</b> Mission Planning Systems

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	13.903	13.947	17.078	-	17.078
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	13.903	13.947	17.078	-	17.078
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>13.903</b>	<b>13.947</b>	<b>17.078</b>	-	<b>17.078</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Mission Planning Systems Cost</b>																		
Recurring Cost																		
a. MPS Hardware <sup>(t)</sup>	-	-	-	8.854	1	8.854	9.160	1	9.160	11.760	1	11.760	-	-	-	11.760	1	11.760
2. PADS Dropsondes	-	-	-	0.080	35	2.800	0.080	32	2.560	0.080	32	2.560	-	-	-	0.080	32	2.560
a. PADS Support Services	-	-	-	-	-	0.969	-	-	0.999	-	-	1.020	-	-	-	-	-	1.020
b. PADS Systems Engineering & Logistical Support	-	-	-	-	-	1.280	-	-	1.228	-	-	1.738	-	-	-	-	-	1.738
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	13.903	-	-	13.947	-	-	17.078	-	-	-	-	-	17.078
<i>Subtotal: Hardware - Mission Planning Systems Cost</i>	-	-	-	-	-	13.903	-	-	13.947	-	-	17.078	-	-	-	-	-	17.078
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	13.903	-	-	13.947	-	-	17.078	-	-	-	-	-	17.078

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems	<b>Item Number / Title [DODIC]:</b> Mission Planning Systems
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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
a. MPS Hardware		2022	Multiple / Multiple	Various	AFLCMC Hanscom AFB	Jun 2022	Aug 2022	1	8.854	Y		
a. MPS Hardware		2023	Multiple / Multiple	Various	AFLCMC Hanscom AFB	Jun 2023	Aug 2023	1	9.160	Y		
a. MPS Hardware <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Mar 2024	May 2024	1	11.760	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems	<b>Item Number / Title [DODIC]:</b> Mission Planning Systems
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCE PT P R I O R T O 1 O C T 2 0 2 1	BAL D U E A S O F 1 O C T	Calendar Year 2022														Calendar Year 2023														
							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					
a. MPS Hardware																																			
1		2024	AF		1	0	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				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems	<b>Item Number / Title [DODIC]:</b> Mission Planning Systems
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
a. MPS Hardware																															
	1	2024	AF		1	0	1																							0	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3				<b>P-1 Line Item Number / Title:</b> 833170 / Mission Planning Systems				<b>Item Number / Title [DODIC]:</b> Mission Planning Systems				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	1	0	0	0	0	1	6	2	8

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	4.845	4.740	0.000	-	0.000	0.000	0.000	0.000	0.000	-	9.585
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.845	4.740	0.000	-	0.000	0.000	0.000	0.000	0.000	-	9.585
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.845</b>	<b>4.740</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>9.585</b>

*(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:**

INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN): ISPAN is one of DoD's most complex classified computer systems and the only national force level planning system, enabling U.S. Strategic Command (USSTRATCOM) to carry out its critical mission to deter and detect strategic attacks against the US and its allies by employing an effects-based approach to planning and operations, cross domain information sharing, and serving multiple planning environments. The program develops, verifies, and produces Operational Plan (OPLAN) 8010. ISPAN 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. The 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 system will migrate to the new USSTRATCOM Command and Control Facility.

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 weaponeering. 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 uses a four-year life-cycle replacement plan for Cyber Investments 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 program management office's life cycle replacement plan for hardware Cyber Investments 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. The plan also allows the program office 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 Cyber Investments procured within the program are used to support all ISPAN program increments.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Integrated Strat Plan & Analy Network (ISPAN)		A		- / -	- / 4.845	- / 4.740	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 4.845	- / 4.740	- / 0.000	- / -	- / 0.000

\*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 sum exactly due to rounding.

**Justification:**  
 In FY 2024, PE 0101313F, Integrated Strategic Planning & Analysis Network (ISPAN), Project 833560, ISPAN efforts were transferred to PE 0304100F, Strategic Mission Planning & Execution System (SMPES), Project 833560, Strategic Mission Planning & Execution System (SMPES), aligning legacy PEs under a single PE to begin the SMPES integration efforts.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833560 / Integrated Strat Plan & Analy Network (ISPAN)	<b>Item Number / Title [DODIC]:</b> Integrated Strat Plan & Analy Network (ISPAN)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.845	4.740	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	4.845	4.740	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>4.845</b>	<b>4.740</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Integrated Strat Plan &amp; Analy Network (ISPAN) Cost</b>																		
Recurring Cost																		
C2F JWICS / High Speed Guard / IWMDT - Complete System	-	-	-	4.275	1	4.275	4.013	1	4.013	-	-	-	-	-	-	-	-	-
GAP-CIE (Secret, JWICS) - Complete System	-	-	-	0.470	1	0.470	0.727	1	0.727	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.745	-	-	4.740	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Integrated Strat Plan &amp; Analy Network (ISPAN) Cost</i>	-	-	-	-	-	4.745	-	-	4.740	-	-	-	-	-	-	-	-	-
<b>Support - Integrated Strat Plan &amp; Analy Network (ISPAN) Cost</b>																		
Program Support Cost (Government Cost)	-	-	-	0.100	1	0.100	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Integrated Strat Plan &amp; Analy Network (ISPAN) Cost</i>	-	-	-	-	-	0.100	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.845	-	-	4.740	-	-	0.000	-	-	-	-	-	0.000

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:**  
833570 / Strategic Mission Planning & Execution System

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	3.861	-	3.861	7.371	6.395	7.178	9.838	-	34.643
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	3.861	-	3.861	7.371	6.395	7.178	9.838	-	34.643
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.000</b>	<b>3.861</b>	-	<b>3.861</b>	<b>7.371</b>	<b>6.395</b>	<b>7.178</b>	<b>9.838</b>	-	<b>34.643</b>

*(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:**

Procurement will be used to execute SMPES technology modifications and maintenance activities.

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.

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.

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 weaponeering. 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 uses a four-year life-cycle replacement plan for Cyber Investments 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 program's life cycle replacement plan for hardware Cyber Investments 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 Cyber Investments procured within the program are used to support all ISPAN program increments.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 3: Electronics Programs		<b>P-1 Line Item Number / Title:</b> 833570 / Strategic Mission Planning & Execution System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Funding for this effort was in program element 0101313F WSC 833560 in FY23, moves to PE 0304100F, WSC 833570 in FY24.</p> <p>NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): NPES is a National C2 automated information system (AIS) that supports all phases of nuclear conflict. The requirement includes all facets of Cyber investments as it relates NPES Legacy enhancements, test, communication systems and operational server integration with fixed command centers, distributed sites, and mobile platforms. NPES Legacy is a joint program, with the Air Force assigned lead service responsibilities. All NPES funding covers current and future cyber related investments necessary for a successful operational application/system delivery, for fixed command centers, distributive sites and mobile platforms. Funding for this effort is in program element 0301112F.</p> <p>Funding supports cyber investments for all NPES environment suites, as well as the 4th Generation Servers supporting the mobile platform environments. NPES cyber investments include procurement supporting communications equipment, operational sites, and PMA contractor support for equipment purchases, sustainment activities, and security certifications. These cyber investments will be accomplished by command supported contracts as well as Defense Microelectronics Activity (DMEA) supporting airborne enhancements. Funding for this effort was in program element 0301112F WSC 833140 in FY23, moves to PE 0304100F, WSC 833570 in FY24.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 833570 / Strategic Mission Planning & Execution System

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Strategic Mission Planning & Execution System	P-5a, P-21	A		- / -	- / 0.000	- / 0.000	- / 3.861	- / -	- / 3.861
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 3.861</b>	<b>- / -</b>	<b>- / 3.861</b>

\*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 sum exactly due to rounding.

**Justification:**  
 Program is NOT a new start. In FY 2024, PE 0101313F, Integrated Strategic Planning & Analysis Network (ISPAN), Project 833560, ISPAN and PE 0301112F, Nuclear Planning & Execution System (NPES), Project 833140, Strategic C2 efforts were transferred to PE 030411F, Strategic Mission Planning and Execution Systems (SMPES), Project 833570, after transferring funding from STRATCOM to AFLCMC necessitated a single Program Element and a distinctive BPAC for SMPES.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3	<b>P-1 Line Item Number / Title:</b> 833570 / Strategic Mission Planning & Execution System	<b>Item Number / Title [DODIC]:</b> Strategic Mission Planning & Execution System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.000	3.861	-	3.861
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.000	3.861	-	3.861
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.000</b>	<b>0.000</b>	<b>3.861</b>	-	<b>3.861</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Strategic Mission Planning & Execution System Cost																		
Non Recurring Cost																		
Personnel Reliability Program...Servers, network switches, storage, implementation <sup>(t)</sup>	-	-	-	-	-	0.000	-	-	0.000	0.772	1	0.772	-	-	-	0.772	1	0.772
GAP CIE production system on SIPR, JWICS, and at alternate location <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	0.599	1	0.599	-	-	-	0.599	1	0.599
NPES systems at distributed locations <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	2.490	1	2.490	-	-	-	2.490	1	2.490
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.861	-	-	-	-	-	3.861
<i>Subtotal: Hardware - Strategic Mission Planning &amp; Execution System Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.861	-	-	-	-	-	3.861
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.861	-	-	-	-	-	3.861

<sup>(t)</sup> indicates the presence of a P-5a



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3			<b>P-1 Line Item Number / Title:</b> 833570 / Strategic Mission Planning & Execution System					<b>Item Number / Title [DODIC]:</b> Strategic Mission Planning & Execution System				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Personnel Reliability Program...Servers, network switches, storage, implementation <sup>(†)</sup>		2024	Perspecta Enterprise Solutions LLC / Offutt AFB, NE	PO	AFLCMC/HB - Battle Management	Jan 2024	Mar 2024	1	0.772	Y	Dec 2023	
GAP CIE production system on SIPR, JWICS, and at alternate location <sup>(†)</sup>		2024	Perspecta Enterprise Solutions LLC / Offutt AFB, NE	PO	AFLCMC/HB - Battle Management	Jan 2024	Mar 2024	1	0.599	Y	Dec 2023	
NPES systems at distributed locations <sup>(†)</sup>		2024	Perspecta Enterprise Solutions LLC / Offutt AFB, NE	PO	AFLCMC/HB - Battle Management	Dec 2023	Jan 2024	1	2.490	Y	Nov 2023	

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Air Force																							Date: March 2023								
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 3										P-1 Line Item Number / Title: 833570 / Strategic Mission Planning & Execution System										Item Number / Title [DODIC]: Strategic Mission Planning & Execution System											
Cost Elements (Units in Each)						Fiscal Year 2024										Fiscal Year 2025										B A L A N C E					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025														
							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
Personnel Reliability Program...Servers, network switches, storage, implementation																															
1	2024	AF		1	0	1		A -	-	1																			0		
GAP CIE production system on SIPR, JWICS, and at alternate location																															
2	2024	AF		1	0	1		A -	-	1																			0		
NPES systems at distributed locations																															
3	2024	AF		1	0	1		A -	1																				0		
								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

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 3					<b>P-1 Line Item Number / Title:</b> 833570 / Strategic Mission Planning & Execution System				<b>Item Number / Title [DODIC]:</b> Strategic Mission Planning & Execution System			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Perspecta Enterprise Solutions LLC - Offutt AFB, NE	1	1	1	1	4	2	6	0	0	0	0
2	Perspecta Enterprise Solutions LLC - Offutt AFB, NE	1	1	1	1	4	2	6	0	0	0	0
3	Perspecta Enterprise Solutions LLC - Offutt AFB, NE	1	1	1	1	3	1	4	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2.893	40.500	109.667	206.142	-	206.142	91.772	68.017	72.802	173.626	-	765.419
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2.893	40.500	109.667	206.142	-	206.142	91.772	68.017	72.802	173.626	-	765.419
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2.893</b>	<b>40.500</b>	<b>109.667</b>	<b>206.142</b>	<b>-</b>	<b>206.142</b>	<b>91.772</b>	<b>68.017</b>	<b>72.802</b>	<b>173.626</b>	<b>-</b>	<b>765.419</b>

*(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:**

FY2024 includes 4,021 thousand for the Overseas Operational Costs budget request.

PE 0201130F US Northern Command Communications - P-40A

a. NORAD AND USNORTHCOM INTEROPERABLE COMMUNICATIONS: This includes mission specific communications enhancements to support extension of Public Switched Telephone Network (PSTN), Commercial Internet and Cellular-Wireless/First Responder Network 4G LTE 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.

b. DEPLOYABLE COMMUNICATIONS CAPABILITIES SYSTEM LIFE CYCLE MANAGEMENT: The USNORTHCOM Deployable Communications Fleet consists of Emergency Response Vehicles (ERV) Mobile Command Platforms (MCP), Rapid Response Kits (RRK) and fly-away communications systems, in expeditionary modular and scalable form factors that can be flown on commercial airlines or military aircraft 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).

PE 0207439F Electronic Warfare Integrated Reprogramming (EWIR) - P-40A

DISTRIBUTED MISSION OPERATIONS AND THREAT CHANGE ANALYSIS: Conducted by the 453rd Electronic Warfare Squadron (453 EWS), EWIR 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 includes 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 and 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. Funding for this exhibit contained in PE 0207439F.

PE 0207448F C2ISR Tactical Data Link - P-40A

Assistant Secretary of Defense, Command, Control, Communications, and Intelligence (ASD/C3I) directed implementation of the DoD Cryptographic Modernization Initiative (CMI) on 23 February 2001. Chairman, Joint Chiefs of Staff (CJCS) Notice 6510/NSA 3-9 directs the modernization of all cryptography in military systems in the US, NATO and Coalition nations. To prevent information compromise, the National Security Agency (NSA) mandate requires Link 16 cryptographic systems be upgraded. The CJCS directed a modernization effort at the recommendation of the NSA to modernize equipment and provide enhanced security for Link 16 tactical networks (Cryptographic Modernization Initiative (CM)). Likewise, a radio frequency spectrum memorandum of agreement between the DoD and the Department

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>of Transportation mandated the internal frequency remapping of our Link 16 family of terminals to avoid conflict with next generation Federal Aviation Administration (FAA) radio aids to navigation. These two mandates, among other operational reliability and capability improvements, such as Concurrent Multi-Netting (CMN), Concurrent Contention Receive (CCR) and Enhanced Throughput (ET), will be satisfied with procurement of the Link 16 Multifunctional Information Distribution System (MIDS) Joint Tactical Radio System (JTRS) radios and other communication capability and networking equipment.</p> <p>PE 0207573F National Technical Nuclear Forensics - P-40A Continues efforts previously funded by OSD for Prompt Diagnostics. Procures terrestrial-based sensors and communications for prompt diagnostics, collection, analysis, and evaluation of a nuclear detonation. Funding also includes procurement of technical data and any required initial system support as well as initial installation costs.</p> <p>PE 0207605F Wargaming and Simulation Centers - P-40A Enables the USAFE-AFAFRICA Warfare Center (UAWC) to conduct and support integrated and distributed Live, Virtual, and Constructive (LVC) warfighter training for Joint and Combined partners in the European and African theaters.</p> <p>PE 0207697F Distributed Training and Exercises - P-40A AIR FORCE DISTRICT WASHINGTON: Wargaming analysis suites, hardware, and software in direct support of the Wargaming Informational Environment (WIE), which is distributed across the National Capitol Region, United States Air Force, and Combatant Commands worldwide. The WIE is employed in wargames to inform Department of the Air Force (DAF) budgeting and programming choices needed to fully implement and align with the National Defense Strategy. Funding for this exhibit contained in PE 0207697F.</p> <p>PE 0208288F Intel Data Applications - P-40A Funds the application of Intelligence data as datasets/databases, model and simulations, and analysis for combat and combat support users. Provides for the communications infrastructures required to support Intelligence data applications.</p> <p>PE 0305128F Security and Investigative Activities - P-40A 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 0305601F Mission Partner Environments - P-40A Mission Partner Environment (MPE) enables secure sharing of operational information for collaboration between and among the U.S. and mission partners to include federal, State, local, and tribal agencies, allies, coalition members, host nations, and other nations, United States (US) and international Non-Governmental Organizations, multinational treaty organizations, and private sector organizations. The MPE program enables the United States (US) Department of Defense (DoD) to execute its assigned missions with mission partners across all ranges and phases of military operations to enable combined command and control (C2) of coalition forces while promoting effective exchange of C2 and intelligence information to enable effective use of the US and partner nation military power. MPE improves survivability and lethality of US Forces.</p> <p>DoD Directive 5101.22E, effective August 5, 2020, designated the Secretary of the Air Force as Executive Agent (EA) for the DoD Mission Partner environment. The EA, through the Mission Partner Capabilities Office provides DoD wide enterprise-level development, integration, systems engineering, architecture, and synchronized delivery of mission capabilities to include DoD-wide enterprise services that support joint and multinational warfighting functional information sharing. Additionally, the EA executes enterprise-level MPE Planning Programming Budgeting and Execution (PPBE) activities to coordinate the development of MPE budget requirements and provide recommendations to OSD Principle Staff Assistants for PPBE guidance and to the DoD Component heads for performance guidance. The EA also documents the DoD MPE to provide a comprehensive understanding that informs future technical solutions. The FY2023 funding procures hardware and software to support the rationalization, consolidation and modernization of a common mission network capability that supports operations with the MPE. Funding for this exhibit contained in PE 0305601F.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0604281F Tactical Data Networks Enterprise - P-40A Tactical Data Link (TDL) enterprise efforts include equipment, fielding support, and associated contract support for the fielded Family of Gateways, as well as capability enhancements to TDLs, 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, maritime, and space-based C4ISR networks. Tactical Data Link (TDL) Planning, Analysis and Monitoring (PAM) will add capability to modernize CONUS ground-based TDL gateways. Full Motion Video effort includes equipment, fielding support, contractor support, and training. Enterprise comm equipment and ancillary systems in support of ABMS/JADC2 networking and connectivity operations which provide situational awareness in the contested environment. These systems will add capability to modernize CONUS/OCONUS ground based strike decisions in the hostile environment.</p> <p>PE 0708012F Logistics Support Activities - P-40A GUNTER AIR FORCE BASE NETWORK SERVICES 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 0801380 AF LVC Operational Training (LVC-OT) - P-40A VIRTUAL AND CONSTRUCTIVE BATTLESPACE ENVIRONMENTS: This includes secure synthetic environments of interconnected systems supporting events and exercises to provide high-end advanced training and tactics capabilities. Solutions will support multi-domain testing and training against near peer threats for 4th, 5th and 6th generation aircraft platforms from ACC and AFGSC and related support activities.</p> <p>SIMULATORS COMMON ARCHITECTURE REQUIREMENTS AND STANDARDS (SCARS): An initiative to incrementally establish a common open-system architecture for Air Force simulators that leverages common applications, supports efficient and rapid updates to capabilities, evolves with cybersecurity threats and controls, and minimizes life-cycle costs. Expands Simulator Command Architecture with new equipment to support USAF operational training requirements, leverage common applications, support efficient and rapid updates to weapon systems' capabilities represented in the simulators, evolve with cybersecurity threats and controls, and minimizes life-cycle costs. Examples may include new equipment for upgrades of on-premise equipment, integration with Joint Simulation Environment, multiple levels of security, and related program support activities.</p> <p>PE 0804711F Recruit Training Units - P-40A 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. Military Training Instructor (MTI) Misconduct-Restore The Trust /Requirements associated with MTI misconduct issues at BMT. Due to the sexual misconduct by MTIs at BMT, AETC/CC directed a Commander Directed Investigation (CDI) to identify issues that place Airmen at risk in their training environment. SECAF/CSAF support findings and recommended actions to "Eliminate Detection Weakness". This effort continues the purchase, installation, and integration of a surveillance system covering common areas of the BMT facilities at JBSA-Lackland AFB for the deterrence and prosecution of misconduct. It includes hardware, system engineering/test and evaluation, site survey, infrastructure installation and support. Detailed requirements include: network switch, network storage device/upgrade package, computer monitor, site license, channel expansion license, hard drive, uninterruptable power supply, extended battery, digital monitor, cameras, and camera communication cable.</p> <p>PE 0804721F Service Academies - P-40A AIR FORCE ACADEMY: FIX AIR FORCE ACADEMY MISSION NET: USAFA is executing a multi-year project to fix disconnects/deficiencies in its University-wide WiFi system on its primary mission network. Most buildings were built in the 1960s (governed by historic preservation rules/restrictions), and either do not have any WiFi at all, or have sub-standard WiFi coverage insufficient to meet USAFA's mission requirements for academics, military training, aviation/airmanship, and NCAA athletics. PEC 84721 IT Investment funds (3080) are sole source of funding for this multi-year program to fix these disconnects/deficiencies, and ensure we are able to meet our 10 U.S.C Section 9453 requirement to graduate and commission approximately 1,000 2Lt's each year. The lack of WiFi is a direct, causal and imminent risk to USAFA's accreditation as a degree-granting university. Costs will be in excess of the 1.5M programmed each year across the FYDP, and will continue year-by-year after until the disconnects/deficiencies are fixed (estimated at 8+ years).</p> <p>PE 0804731F General Skill Training - P-40A</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>GENERAL SKILL TRAINING: General Skills Training supports initial, advanced and supplemental training associated with all Air Force career fields taught or managed under Goodfellow, Keesler, Vandenberg, Sheppard, Lackland, and Fort Sam. This includes classroom and field training operations, management systems for students and faculty, and other requirements directly supporting Technical Training Groups, detachments, and various operating locations.</p> <p>TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): TTMS provides AETC personnel and other users a suite of integrated and customized Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) software products implemented in a centralized, enterprise-wide, web-based architecture for the development and administration of basic military and technical training. TTMS supports nine functions: student management, course design and development (for AETC and METC), student evaluation, statistical analysis and reporting, surveys, assessments and testing, Airman Interactive Management System (AIMS) for Military Training Leaders, Job Match/Seat Bank, and TTMS BMT for student processing.</p> <p>PE 0804751F Professional Military Education - P-40A 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 the Course Development, Student Administration and Registrar System (CDSAR), Student Transcript, Admin, and Record system (STARS), Student Information System (AUSIS), Student Record Information System (AUSRIS), Registrar Education Program Management (AUREPM), and Student Management System (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 0804752F Other Professional Education - P-40A 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 0901410F CONTRACTING INFORMATION TECHNOLOGY SYSTEM - P-40A The Contracting Information Technology (CON-IT) system enables the Department of the Air Force (DAF) to accomplish its mission effectively and securely in today's rapidly changing and increasingly contested cyber domain. The Air and Space Forces require a single, 21st century contract management solution to enable DAF mission execution, from acquiring and sustaining weapon system platforms, to supporting contingency operations overseas. CON-IT supplies this single solution by consolidating and replacing numerous aging and increasingly unsupportable, legacy contract writing and management systems, while enabling the Air and Space Forces to procure vital capability faster and with increased data accuracy through built-in automation. Specifically, CON-IT's functionality provides contract data sharing interoperability across all DAF contracting communities and external business partners such as Defense Contract Management Agency, Defense Finance and Accounting Service, and industry partners. In addition, CON-IT facilitates the execution of the DAF's 200+ billion annual budget, ensuring global procurement operations are timely, auditable, and secure. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. Funding for this exhibit contained in PE 0901410F.</p> <p>PE 0901538F Financial Management Information Systems Development - P-40A PBES is a single solution software development effort that will utilize a Service Oriented Architecture (SOA) to deliver budgeting and programming capability for the United States Air Force. PBES will replace legacy systems such as the Automated Budget Interactive Data Environment System (ABIDES) and Resource Allocation Programming Information Decision System (RAPIDS) and will support the budget formulation and force programming process. Upon full deployment of PBES, the system will be compliant with the Standard Financial Information Structure (SFIS) and Standard Line of Accounting (SLOA) conventions, which will enable standardization of data across the Department of Defense (DoD). Funding for this exhibit contained in PE 0901538F.</p>		



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**Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force** **Date:** March 2023

**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): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	US Northern Command Communications	P-5a, P-21	A		- / -	- / 3.406	- / 3.696	- / 3.827	- / -	- / 3.827
P-5	Electronic Warfare Integrated Reprogramming (EWIR)	P-5a, P-21	A		- / -	- / 0.140	- / 1.419	- / 1.467	- / -	- / 1.467
P-5	C2ISR Tactical Data Link	P-5a, P-21	A		- / -	- / 2.978	- / 3.800	- / 25.699	- / -	- / 25.699
P-5	National Technical Nuclear Forensics	P-5a, P-21	A		- / 2.893	- / 4.000	- / 5.666	- / 3.797	- / -	- / 3.797
P-5	Wargaming and Simulation Centers	P-5a	A		- / -	4 / 0.000	4 / 0.757	4 / 0.785	- / -	4 / 0.785
P-5	Distributed Training and Exercises	P-5a, P-21	A		- / -	- / 0.293	- / 0.320	- / 0.330	- / -	- / 0.330
P-5	Full Combat Mission Training	P-5a	A		- / -	- / 0.000	- / 0.000	- / 89.645	- / -	- / 89.645
P-5	Intel Data Applications	P-5a, P-21	A		- / -	- / 5.046	- / 0.332	- / 4.364	- / -	- / 4.364
P-5	Security and Investigative Activities	P-5a, P-21	B		- / -	1 / 1.560	1 / 1.693	1 / 1.754	- / -	1 / 1.754
P-5	Mission Partner Environments	P-5a, P-21	A		- / -	- / 0.000	- / 14.887	- / 10.535	- / -	- / 10.535
P-5	Communications and Information Technology	P-5a, P-21	A		- / -	- / 1.689	- / 1.261	- / 7.513	- / -	- / 7.513
P-5	Tactical Data Networks Enterprise	P-5a, P-21	A		- / -	- / 4.213	- / 48.040	- / 37.732	- / -	- / 37.732
P-5	Logistics Support Activities	P-5a, P-21	A		- / -	- / 1.504	- / 2.018	- / 2.154	- / -	- / 2.154
P-5	AF LVC Operational Training (LVC-OT)	P-5a, P-21	A		- / -	- / 11.858	- / 20.547	- / 11.395	- / -	- / 11.395
P-5	Recruit Training Units		A		- / -	- / 0.664	- / 0.803	- / 0.832	- / -	- / 0.832
P-5	Service Academies	P-5a, P-21	A		- / -	- / 1.387	- / 2.333	- / 1.425	- / -	- / 1.425
P-5	General Skill Training		A		- / -	- / 0.444	- / 0.663	- / 0.687	- / -	- / 0.687
P-5	Professional Military Education	P-5a, P-21	A		- / -	- / 0.888	8 / 0.965	- / 1.000	- / -	- / 1.000
P-5	Other Professional Education	P-5a, P-21	A		- / -	- / 0.430	- / 0.467	- / 0.483	- / -	- / 0.483
P-5	Contracting Information Technology System	P-5a, P-21	A		- / -	- / 0.000	- / 0.000	1 / 0.718	- / -	1 / 0.718
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 2.893</b>	<b>- / 40.500</b>	<b>- / 109.667</b>	<b>- / 206.142</b>	<b>- / -</b>	<b>- / 206.142</b>

\*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 sum exactly due to rounding.

**Justification:**  
 This program, PE 0901410F GIT P-5, is a new start.

PE 0201130F US Northern Command Communications - NORAD AND USNORTHCOM INTEROPERABLE COMMUNICATIONS: FY 24 funding will ensure 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.

PE 0207439F Electronic Warfare Integrated Reprogramming (EWIR) - FY2024 Funding will be used to replace capital equipment for the electronic warfare (EW) Threat Change Analysis and Distributed Mission Operations infrastructure and databases. Specific equipment items and quantities may change due to mission needs.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0207448F C2ISR Tactical Data Link - FY2024 funding will support procurement and upgrade of Link 16 MIDS Joint Tactical Radio System (JTRS) radios and other communication capability and networking equipment in addition to operational reliability and capability improvements for Link 16 tactical networks. Link16 is an integral component to the success and support of the NMS and the NDAA. It provides a venue to share information critical to the warfighter across multiple platforms and with allies and partners for theater-wide engagements, with SA, C2, to meet Information Exchange Requirements (IERs) across the entire theater Area of Operations (AO). Additionally, it reduces the chances for fratricide, collateral damage reduction, and enhances situational awareness in the battlespace because friendly and enemy positions need to be identified hundreds of miles away and the Link 16 IERs that are used within this domain are specifically for major engagements and include rapid changes in both friendly and hostile positions. ISO OPLANS and Operations, Activities, and Investments (OAls), ground based RF-L16 provides the warfighter aggregated critical information necessary to complete the kill chain in a contested environment i.e., target delivery accuracy, and speed of engagement for Digital aided close air support (DaCAS). Funding for this exhibit contained in PE 0207448F.</p> <p>PE 0207573F National Technical Nuclear Forensics - FY 2024 funding procures terrestrial-based nodes/sensors for signal detection, collection, analysis, and evaluation of a nuclear detonation. Funding also includes procurement of technical data required for production and any required initial system support as well as initial installation costs.</p> <p>PE 0207605F Wargaming and Simulation Centers - FY2024 funding Enables USAFE-AFAFRICA Warfare Center (UAWC) to lead USAFE and AFAFRICA toward full integration of Live, Virtual, and Constructive (LVC) capabilities with our Coalition partners and assures capital equipment replacement / network system upgrades for the command and control, warfighting, and support training systems at the tactical and operational levels of warfare.</p> <p>PE 0207697F Distributed Training and Exercises - FY 2024 funding will be used to procure hardware, software and licensing to complete and instantiate the latest version of the Wargame Information Environment in support of CSAF and AFMAJCOMs objective priorities for Air Force Wargaming Enterprise. Develop and assimilate tools that capture consequences of alternative force structures and capabilities employed in wargames to inform Department of the Air Force (DAF) budgeting and programming choices needed to fully implement and align with the National Defense Strategy. Continue to expand and develop the Headquarters USAF (HAF) Wargaming Information Environment (WIE) by integrating the latest technology and tools that will support of a more flexible, robust, and agile wargaming enterprise that is quicker to respond and tailorable for a wider range of wargaming.</p> <p>PE 0208288F Intel Data Applications - FY 2024 funds will support the application of Intelligence data as datasets/databases, model and simulations, and analysis for combat and combat support users. Provides for the communications infrastructures required to support Intelligence data applications.</p> <p>PE 0305128F Security and Investigative Activities - FY2024 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 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 0305601F Mission Partner Environments - FY2024 funding will procure hardware and software to support Mission Partner Environment operations. Funding for Mission Partner Environment transferred the capabilities: Combined Enterprise Regional Information Exchange System (CENTRIXS), Pegasus, the Multinational Information Sharing (MNIS) program, the All Partners Access Network (APAN), and the Combined Federal Battle Labs Network (CFBLNet) to the Mission Partner Environment Program to include the secret and below releasable environment. MPE enables secure sharing of operational information and enhances collaboration between the US forces, and trusted allies and other multinational partners. This effort also increases overall combat effectiveness by leveraging capabilities and information from all partners.</p> <p>PE 0604281F Tactical Data Networks Enterprise - FY24 funding will provide procurement for all Tactical Data Link (TDL) enterprise efforts. This includes equipment, fielding support, and associated contract support for the fielded Family of Gateways, as well as capability enhancements to TDLs, 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, maritime, and space-based C4ISR networks. Tactical Data Link (TDL) Planning, Analysis and Monitoring (PAM) will add capability to modernize CONUS ground-based TDL gateways. Enterprise comm equipment and ancillary systems in support of ABMS/JADC2 networking and connectivity operations which provide situational awareness in the contested environment. Funding for this exhibit contained in PE 0604281F.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0604281F Tactical Data Networks Enterprise - FY2024 funding procure low Size, Weight, and Power (SWaP) production kits to support TDL communications; it will incorporate proven techniques related to RF components, system interfaces, and platform integration. This effort will identify appropriate platforms, apertures, and interfaces and evaluate using representative flight environments and conditions.</p> <p>PE 0708012F Logistics Support Activities - FY2024 funding will continue to update hardware resources for the Gunter LAN to deliver full network support. This infrastructure enables continued operational testing of the Standard Desktop Configuration (SDC) and other Microsoft products. Continues efforts for AFLCMC/HI programs (Logistics systems including EDCL) to ensure seamless integration of new capabilities w/o harm to operational systems and negative impact to personnel across the AF.</p> <p>PE 0801380F AF LVC Operational Training (LVC-OT) -  a. VIRTUAL AND CONSTRUCTIVE BATTLESPACE ENVIRONMENTS: FY2024 funding supports procurement of hardware necessary to establish multi-domain, high-end advanced training and tactics against near peer threats and related support activities, including, but not limited to fighter in a box helmet mounted cuing systems and man in the loop helmet mounted displays.</p> <p>b. SIMULATOR COMMON ARCHITECTURE REQUIREMENTS AND STANDARDS (SCARS): FY2024 funding supports procurement of hardware necessary to establish a common open system architecture for Air Force simulators. FY2024 efforts include, but are not limited to, site connections to the operations center and equipment and purchase of equipment and software licenses to expand capabilities at training system integration labs. The hardware and software will include tools that improve Air Force training systems by enabling continuous delivery and continuous integration and promoting the use of automation.</p> <p>Funding may also be used to address Diminishing Manufacturing Source (DMS) issues, obsolescence resolution and similar emerging requirements.</p> <p>PE 0804711F Recruit Training Units - FY2024 funding will procure general information technology equipment for 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. Detailed requirements include: network switch, network storage device/upgrade package, computer monitor, site license, channel expansion license, hard drive, uninterruptable power supply, extended battery, digital monitor, cameras, and camera communication cable.</p> <p>PE 0804721F Service Academies - AIR FORCE ACADEMY: FY2024 funding will be used for the FIX AIR FORCE ACADEMY MISSION NET effort. This effort specifically provides WIFI system components across the academic mission area. PEC 84721 FY22 funds (3080) are mission-critical for USAFA's multi-year project to fix disconnects/deficiencies in its University-wide WiFi systems on its mission network.</p> <p>PE 0804731F General Skill Training - FY2024 funding will support procurement of electronic and telecom equipment supporting the General Skills Training enterprise, and primarily includes video equipment and training management systems equipment (other than TTMS).</p> <p>PE 0804752F Other Professional Education - FY2024 funding modifies AFIT's specialized information technology education networks with its core services for education and student research requirements. This includes: in- enrollment, content delivery, and student management and administration capabilities critical to all AFIT resident graduate / PCE students and all non-resident/DL courses.</p> <p>PE 0901410F CONTRACTING INFORMATION TECHNOLOGY SYSTEM - FY2024 funding will procure additional perpetual end user licenses to allow for on-boarding of legacy ConWrite and Automated Contract Preparation System (ACPS) users to the Contracting Information Technology (CON-IT) system.</p> <p>Pacific Deterrence Initiative (PDI) Increase between FY23 \$0 and FY24 \$13,260 thousand provides support to PACAF's efforts to Set the Theater (StT) with Regional Base Cluster Prepositioning (RBCP) kits designed to enable persistent mission generation at Hub and Spoke locations throughout the First and Second Island Chains in the Indo-Pacific. Specifically, this funding procures P-19 Aircraft Rescue and Fire Fighting (ARFF) vehicles.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology			<b>Item Number / Title [DODIC]:</b> US Northern Command Communications		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	3.406	3.696	3.827	-	3.827
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	3.406	3.696	3.827	-	3.827
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>3.406</b>	<b>3.696</b>	<b>3.827</b>	-	<b>3.827</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - US Northern Command Communications Cost</b>																		
Recurring Cost																		
Deployable Comms Infrastructure/ Equipment <sup>(†)</sup>	-	-	-	0.867	1	0.867	1.247	1	1.247	1.346	1	1.346	-	-	-	1.346	1	1.346
Rapid Response Kit Level 1 <sup>(†)</sup>	-	-	-	0.550	1	0.550	0.559	1	0.559	0.570	1	0.570	-	-	-	0.570	1	0.570
Satellite Comms Lifecycle / Modernization <sup>(†)</sup>	-	-	-	0.549	1	0.549	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.966	-	-	1.806	-	-	1.916	-	-	-	-	-	1.916
<i>Subtotal: Hardware - US Northern Command Communications Cost</i>	-	-	-	-	-	1.966	-	-	1.806	-	-	1.916	-	-	-	-	-	1.916
<b>Vehicles - US Northern Command Communications Cost</b>																		
Recurring Cost																		
ERV / MCP Mobile Comms Systems Lifecycle <sup>(†)</sup>	-	-	-	0.720	2	1.440	1.890	1	1.890	1.911	1	1.911	-	-	-	1.911	1	1.911
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.440	-	-	1.890	-	-	1.911	-	-	-	-	-	1.911
<i>Subtotal: Vehicles - US Northern Command Communications Cost</i>	-	-	-	-	-	1.440	-	-	1.890	-	-	1.911	-	-	-	-	-	1.911
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.406	-	-	3.696	-	-	3.827	-	-	-	-	-	3.827

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> US Northern Command Communications
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
<b>Remarks:</b> Current contract W15P7T-13-D-0015/W15P7T-18-F-0086; Current vendor: DataPath; Current PoP ends 25Mar22 Contract vehicle in new acquisition / re-compete process; Forecasted award: March 2022  (t) indicates the presence of a P-5a		

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> US Northern Command Communications
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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
Deployable Comms Infrastructure/ Equipment <sup>(†)</sup>		2022	Varied / Varied	Various	ARMY/ACC	Mar 2022	Feb 2023	1	0.867	Y		
Deployable Comms Infrastructure/ Equipment <sup>(†)</sup>		2023	Varied / Varied	Various	ARMY/ACC	Mar 2023	Mar 2024	1	1.247	Y		
Deployable Comms Infrastructure/ Equipment <sup>(†)</sup>		2024	Varied / Varied	Various	ARMY/ACC	Mar 2024	Mar 2025	1	1.346	Y		
Rapid Response Kit Level 1 <sup>(†)</sup>		2022	Varied / Varied	Various	ARMY/ACC	Mar 2022	Feb 2023	1	0.550	Y		
Rapid Response Kit Level 1 <sup>(†)</sup>		2023	Varied / Varied	Various	ARMY/ACC	Mar 2023	Mar 2024	1	0.559	Y		
Rapid Response Kit Level 1 <sup>(†)</sup>		2024	Varied / Varied	Various	ARMY/ACC	Mar 2024	Mar 2025	1	0.570	Y		
Satellite Comms Lifecycle / Modernization <sup>(†)</sup>		2022	Varied / Varied	Various	ARMY/ACC	Mar 2022	Oct 2023	1	0.549	Y		
ERV / MCP Mobile Comms Systems Lifecycle <sup>(†)</sup>		2022	Varied / Varied	Various	ARMY/ACC	Mar 2022	Oct 2022	2	0.720	Y		
ERV / MCP Mobile Comms Systems Lifecycle <sup>(†)</sup>		2023	Varied / Varied	Various	ARMY/ACC	Mar 2023	Oct 2023	1	1.890	Y		
ERV / MCP Mobile Comms Systems Lifecycle <sup>(†)</sup>		2024	Varied / Varied	Various	ARMY/ACC	Mar 2024	Mar 2024	1	1.911	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
Current contract W15P7T-13-D-0015/W15P7T-18-F-0086; Current vendor: DataPath; Current PoP ends 25Mar22  
Contract vehicle in new acquisition / re-compete process; Forecasted award: March 2022



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834010 / General Information Technology **Item Number / Title [DODIC]:** US Northern Command Communications

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Deployable Comms Infrastructure/Equipment																																			
	1	2022	AF	1	1	0																												0	
	1	2023	AF	1	0	1	-	-	-	-	-	-	1																					0	
	1	2024	AF	1	0	1								A-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		0		
Rapid Response Kit Level 1																																			
	2	2022	AF	1	1	0																											0		
	2	2023	AF	1	0	1	-	-	-	-	-	1																						0	
	2	2024	AF	1	0	1								A-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		0			
Satellite Comms Lifecycle / Modernization																																			
	3	2022	AF	1	0	1	1																										0		
ERV / MCP Mobile Comms Systems Lifecycle																																			
	4	2022	AF	2	2	0																											0		
	4	2023	AF	1	0	1	1																										0		
	4	2024	AF	1	0	1								A1																			0		
							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					



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
		<b>Item Number / Title [DODIC]:</b> US Northern Command Communications

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Varied - Varied			30	0	0	0	0	0	0	6	12	18
2	Varied - Varied			30	0	0	0	0	0	0	6	12	18
3	Varied - Varied	1	1	30	0	0	0	0	0	1	6	19	25
4	Varied - Varied			30	0	0	0	0	0	0	6	0	6

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>		-	0.140	1.419	1.467	-	1.467
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>		-	0.140	1.419	1.467	-	1.467
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>		-	<b>0.140</b>	<b>1.419</b>	<b>1.467</b>	-	<b>1.467</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - EWIR Hardware Cost																		
Recurring Cost																		
Client PCs <sup>(†)</sup>	-	-	-	0.140	1	0.140	0.196	1	0.196	0.205	1	0.205	-	-	-	0.205	1	0.205
Computer Server <sup>(†)</sup>	-	-	-	-	-	-	0.569	1	0.569	0.587	1	0.587	-	-	-	0.587	1	0.587
Data Storage System <sup>(†)</sup>	-	-	-	-	-	-	0.457	1	0.457	0.471	1	0.471	-	-	-	0.471	1	0.471
Network Infrastructure <sup>(†)</sup>	-	-	-	-	-	-	0.197	1	0.197	0.203	1	0.204	-	-	-	0.204	1	0.204
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.140	-	-	1.419	-	-	1.467	-	-	-	-	-	1.467
<i>Subtotal: Hardware - EWIR Hardware Cost</i>	-	-	-	-	-	0.140	-	-	1.419	-	-	1.467	-	-	-	-	-	1.467
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.140	-	-	1.419	-	-	1.467	-	-	-	-	-	1.467

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)				

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
Client PCs <sup>(t)</sup>		2022	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2022	Apr 2022	1	0.140	Y		
Client PCs <sup>(t)</sup>		2023	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	0.196	Y		
Computer Server <sup>(t)</sup>		2023	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	0.569	Y		
Computer Server <sup>(t)</sup>		2024	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2024	Apr 2024	1	0.587	Y		
Data Storage System <sup>(t)</sup>		2023	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	0.457	Y		
Data Storage System <sup>(t)</sup>		2024	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2024	Apr 2024	1	0.471	Y		
Network Infrastructure <sup>(t)</sup>		2023	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	0.197	Y		
Network Infrastructure <sup>(t)</sup>		2024	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2024	Apr 2024	1	0.203	Y		

<sup>(t)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
		<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												B A L A N C E
O C C O #	M F R 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 2 1	B A L D U E A S O F 1 O C T	Calendar Year 2022												Calendar Year 2023												
						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	
Client PCs																														
1	2022	AF	1	0	1																								0	
1	2023	AF	1	0	1																								0	
Computer Server																														
2	2023	AF	1	0	1																								0	
2	2024	AF	1	0	1																								1	
Data Storage System																														
3	2023	AF	1	0	1																								0	
3	2024	AF	1	0	1																								1	
Network Infrastructure																														
4	2023	AF	1	0	1																								0	
4	2024	AF	1	0	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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology										<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Client PCs																																			
	1	2022	AF		1	0																								0					
	1	2023	AF		1	0																								0					
Computer Server																																			
	2	2023	AF		1	0																								0					
	2	2024	AF		1	0																						A -	1	0					
Data Storage System																																			
	3	2023	AF		1	0																								0					
	3	2024	AF		1	0																							A -	1	0				
Network Infrastructure																																			
	4	2023	AF		1	0																								0					
	4	2024	AF		1	0																							A -	1	0				
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	6	1	7	0	0	0	0
2	Various - Various	1	1	1	1	6	1	7	0	0	0	0
3	Various - Various	1	1	1	1	6	1	7	0	0	0	0
4	Various - Various	1	1	1	1	6	1	7	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> C2ISR Tactical Data Link
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	2.978	3.800	25.699	-	25.699
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	2.978	3.800	25.699	-	25.699
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>2.978</b>	<b>3.800</b>	<b>25.699</b>	-	<b>25.699</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - C2ISR Tactical Data Link Cost</b>																		
Recurring Cost																		
Terminals (Active) PE 0207488F <sup>(†)</sup>	-	-	-	0.229	13	2.978	0.292	13	3.800	0.242	66	15.972	-	-	-	0.242	66	15.972
Install Kits (Active) PE 0207448F	-	-	-	-	-	-	-	-	-	0.086	66	5.676	-	-	-	0.086	66	5.676
Upgrade Kits (Active) PE 0207488F	-	-	-	-	-	-	-	-	-	0.044	66	2.904	-	-	-	0.044	66	2.904
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.978	-	-	3.800	-	-	24.552	-	-	-	-	-	24.552
<i>Subtotal: Hardware - C2ISR Tactical Data Link Cost</i>	-	-	-	-	-	<b>2.978</b>	-	-	<b>3.800</b>	-	-	<b>24.552</b>	-	-	-	-	-	<b>24.552</b>
<b>Support - C2ISR Tactical Data Link Cost</b>																		
Engineering/Integration Support	-	-	-	-	-	-	-	-	-	-	-	1.147	-	-	-	-	-	1.147
<i>Subtotal: Support - C2ISR Tactical Data Link Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<b>1.147</b>	-	-	-	-	-	<b>1.147</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>2.978</b>	-	-	<b>3.800</b>	-	-	<b>25.699</b>	-	-	-	-	-	<b>25.699</b>

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> C2ISR Tactical Data Link
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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
Terminals (Active) PE 0207488F <sup>(†)</sup>		2022	TBD / TBD	TBD	TBD	Mar 2022	Apr 2022	13	0.229	Y		Jan 2022
Terminals (Active) PE 0207488F <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	Mar 2023	Apr 2023	13	0.292	Y		Jan 2023
Terminals (Active) PE 0207488F <sup>(†)</sup>		2024	TBD / TBD	TBD	TBD	Mar 2024	Apr 2024	66	0.242	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> C2ISR Tactical Data Link
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												B A L A N C E	
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 2 1	BAL D U E A S O F 1 O C T	Calendar Year 2022												Calendar Year 2023												
							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
Terminals (Active) PE 0207488F																															
	1	2022	AF	13	0	13																							0		
	1	2023	AF	13	0	13																							0		
	1	2024	AF	66	0	66																							66		
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> C2ISR Tactical Data Link
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														B A L A N C E			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025																	
							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								
Terminals (Active) PE 0207488F																																						
	1	2022	AF	13	13	0																													0			
	1	2023	AF	13	13	0																													0			
	1	2024	AF	66	0	66															A -	35	31															0
							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								

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> C2ISR Tactical Data Link				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	66	100	1	6	1	7	0	0	0	0

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology			<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			2.893	4.000	5.666	3.797	-	3.797
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			2.893	4.000	5.666	3.797	-	3.797
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>2.893</b>	<b>4.000</b>	<b>5.666</b>	<b>3.797</b>	<b>-</b>	<b>3.797</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - National Technical Nuclear Forensics Sensors Cost</b>																		
Non Recurring Cost																		
Sensor Type 1 <sup>(t)</sup>	0.114	2	0.228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 2 <sup>(t)</sup>	0.049	1	0.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 3 <sup>(t)</sup>	0.331	3	0.993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 4 <sup>(t)</sup>	0.017	3	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 5 <sup>(t)</sup>	0.027	9	0.243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 6 <sup>(t)</sup>	0.062	7	0.434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Integration and Testing	0.060	1	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	0.407	1	0.407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sensor Type 7 <sup>(t)</sup>	-	-	0.000	-	-	-	-	-	-	0.336	3	1.007	-	-	-	0.336	3	1.007
<i>Subtotal: Non Recurring Cost</i>	-	-	2.465	-	-	-	-	-	-	-	-	1.007	-	-	-	-	-	1.007
<b>Subtotal: Hardware - National Technical Nuclear Forensics Sensors Cost</b>	-	-	<b>2.465</b>	-	-	-	-	-	-	-	-	<b>1.007</b>	-	-	-	-	-	<b>1.007</b>
<b>Hardware - NTNF Site Installations Cost</b>																		
Non Recurring Cost																		
Installation of Sensors Site <sup>1(t)</sup>	0.195	1	0.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4							<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology						<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Installation of Sensors Site3 <sup>(†)</sup>	-	-	-	0.716	1	0.716	-	-	-	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site4 <sup>(†)</sup>	0.135	1	0.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation of Sensors Site4 <sup>(†)</sup>	-	-	-	0.330	1	0.330	-	-	-	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site5 <sup>(†)</sup>	0.098	1	0.098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation of Sensors Site5 <sup>(†)</sup>	-	-	-	0.330	1	0.330	-	-	-	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site6 <sup>(†)</sup>	-	-	-	0.126	1	0.126	-	-	-	-	-	-	-	-	-	-	-	-
Installation of Sensors Site6 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site7 <sup>(†)</sup>	-	-	-	0.127	1	0.127	-	-	-	-	-	-	-	-	-	-	-	-
Installation of Sensors Site7 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site8 <sup>(†)</sup>	-	-	-	0.127	1	0.127	-	-	-	-	-	-	-	-	-	-	-	-
Installation of Sensors Site8 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site9 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site9 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site10 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site10 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site11 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site11 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site12 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4							<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology						<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Installation of Sensors Site12 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site13 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site13 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site14 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site14 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site15 <sup>(†)</sup>	-	-	-	-	-	-	0.119	1	0.119	-	-	-	-	-	-	-	-	-
Installation of Sensors Site15 <sup>(†)</sup>	-	-	-	-	-	-	0.417	1	0.417	-	-	-	-	-	-	-	-	-
Detailed Installation Plan Site16 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Installation of Sensors Site16 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.404	1	0.404	-	-	-	0.404	1	0.404
Detailed Installation Plan Site17 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Installation of Sensors Site17 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.404	1	0.404	-	-	-	0.404	1	0.404
Detailed Installation Plan Site18 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Detailed Installation Plan Site19 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Detailed Installation Plan Site20 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Detailed Installation Plan Site21 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.115	1	0.115	-	-	-	0.115	1	0.115
Program Support Costs (PSC) Other Government Costs	-	-	-	2.244	1	2.244	0.663	1	0.663	0.484	1	0.484	-	-	-	0.484	1	0.484
Installation of Sensors Site18 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.404	1	0.404	-	-	-	0.404	1	0.404
Installation of Sensors Site19 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.404	1	0.404	-	-	-	0.404	1	0.404

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology						<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>	-	-	0.428	-	-	4.000	-	-	5.666	-	-	2.790	-	-	-	-	-	2.790
<i>Subtotal: Hardware - NTNF Site Installations Cost</i>	-	-	0.428	-	-	4.000	-	-	5.666	-	-	2.790	-	-	-	-	-	2.790
<b>Gross/Weapon System Cost</b>	-	-	2.893	-	-	4.000	-	-	5.666	-	-	3.797	-	-	-	-	-	3.797

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

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Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834010 / General Information Technology					Item Number / Title [DODIC]: National Technical Nuclear Forensics				
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
Sensor Type 1 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Jan 2021	Feb 2024	2	0.114	Y		Nov 2020
Sensor Type 2 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Jan 2021	Sep 2023	1	0.049	Y		Nov 2020
Sensor Type 3 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Jan 2021	Jan 2024	3	0.331	Y		Nov 2020
Sensor Type 4 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Apr 2021	Jan 2024	3	0.017	Y		Feb 2021
Sensor Type 5 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Apr 2021	Aug 2023	9	0.027	Y		Feb 2021
Sensor Type 6 <sup>(†)</sup>		2021	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Apr 2021	Sep 2023	7	0.062	Y		Feb 2021
Sensor Type 7 <sup>(†)</sup>		2024	Honeywell FM&T, LLC / Kansas City, MO	MIPR	AFLCMC/WI - ISR & SOF	Feb 2024	Nov 2024	3	0.336	Y		
Installation of Sensors Site1 <sup>(†)</sup>		2021	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Nov 2022	Mar 2023	1	0.195	Y		Jun 2022
Installation of Sensors Site3 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jun 2022	Nov 2022	1	0.716	Y		
Detailed Installation Plan Site4 <sup>(†)</sup>		2021	Applied Research Associates, Inc. / Albuquerque, NM	SS / FFP	AFLCMC/WI - ISR & SOF	Sep 2021	Feb 2023	1	0.135	Y		Jun 2021
Installation of Sensors Site4 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2023	Jun 2023	1	0.330	Y		
Detailed Installation Plan Site5 <sup>(†)</sup>		2021	Applied Research Associates, Inc. / Albuquerque, NM	SS / FFP	AFLCMC/WI - ISR & SOF	Nov 2021	Feb 2023	1	0.098	Y		Aug 2021
Installation of Sensors Site5 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2023	Jul 2023	1	0.330	Y		
Detailed Installation Plan Site6 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2023	May 2023	1	0.126	Y		
Installation of Sensors Site6 <sup>(†)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jun 2023	Oct 2023	1	0.417	Y		
Detailed Installation Plan Site7 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	May 2023	Jul 2023	1	0.127	Y		
Installation of Sensors Site7 <sup>(†)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Aug 2023	Dec 2023	1	0.417	Y		
Detailed Installation Plan Site8 <sup>(†)</sup>		2022	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	May 2023	Jul 2023	1	0.127	Y		
Installation of Sensors Site8 <sup>(†)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Sep 2023	Jan 2024	1	0.417	Y		
Detailed Installation Plan Site9 <sup>(†)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jun 2023	Aug 2023	1	0.119	Y		



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Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834010 / General Information Technology					Item Number / Title [DODIC]: National Technical Nuclear Forensics				
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
Installation of Sensors Site9 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Oct 2023	Feb 2024	1	0.417	Y		
Detailed Installation Plan Site10 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Aug 2023	Oct 2023	1	0.119	Y		
Installation of Sensors Site10 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Nov 2023	Mar 2024	1	0.417	Y		
Detailed Installation Plan Site11 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Oct 2023	Dec 2023	1	0.119	Y		
Installation of Sensors Site11 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jan 2024	May 2024	1	0.417	Y		
Detailed Installation Plan Site12 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Dec 2023	Feb 2024	1	0.119	Y		
Installation of Sensors Site12 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2024	Jul 2024	1	0.417	Y		
Detailed Installation Plan Site13 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Dec 2023	Feb 2024	1	0.119	Y		
Installation of Sensors Site13 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2024	Jul 2024	1	0.417	Y		
Detailed Installation Plan Site14 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jan 2024	Mar 2024	1	0.119	Y		
Installation of Sensors Site14 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2024	Aug 2024	1	0.417	Y		
Detailed Installation Plan Site15 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jan 2024	Mar 2024	1	0.119	Y		
Installation of Sensors Site15 <sup>(t)</sup>		2023	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2024	Aug 2024	1	0.417	Y		
Detailed Installation Plan Site16 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Feb 2024	Apr 2024	1	0.115	Y		
Installation of Sensors Site16 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	May 2024	Sep 2024	1	0.404	Y		
Detailed Installation Plan Site17 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Feb 2024	Apr 2024	1	0.115	Y		
Installation of Sensors Site17 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2024	Sep 2024	1	0.404	Y		
Detailed Installation Plan Site18 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2024	May 2024	1	0.115	Y		
Detailed Installation Plan Site19 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Mar 2024	May 2024	1	0.115	Y		
Detailed Installation Plan Site20 <sup>(t)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2024	Jun 2024	1	0.115	Y		

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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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
Detailed Installation Plan Site21 <sup>(†)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Apr 2024	Jun 2024	1	0.115	Y		
Installation of Sensors Site18 <sup>(†)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jun 2024	Oct 2024	1	0.404	Y		
Installation of Sensors Site19 <sup>(†)</sup>		2024	Applied Research Associates, Inc. / Albuquerque, NM	SS / FPIF	AFLCMC/WI - ISR & SOF	Jun 2024	Oct 2024	1	0.404	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

USPDS is a follow-on effort to the Discreet Oculus (DO) program. ARA and Weston Geophysical Corp. successfully installed all sensor nodes for the DO program. Weston Geophysical Corp., was acquired by ARA, March 2019. Experience with engineering support for nuclear phenomena sensor and communications deployment to field sites is critical to the success of the overall installation process. ARA has this specialized experience and used it to reduce the duration of installations by more than 50% since the beginning of the DO program. Due to the unique nature of these sensors and time constraints to accomplish the installations, ARA was selected for the installation process.





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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021														Fiscal Year 2022														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							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					
Detailed Installation Plan Site16																																			
	34	2024	AF	1	0	1																							1						
Installation of Sensors Site16																																			
	35	2024	AF	1	0	1																							1						
Detailed Installation Plan Site17																																			
	36	2024	AF	1	0	1																							1						
Installation of Sensors Site17																																			
	37	2024	AF	1	0	1																							1						
Detailed Installation Plan Site18																																			
	38	2024	AF	1	0	1																							1						
Detailed Installation Plan Site19																																			
	39	2024	AF	1	0	1																							1						
Detailed Installation Plan Site20																																			
	40	2024	AF	1	0	1																							1						
Detailed Installation Plan Site21																																			
	41	2024	AF	1	0	1																							1						
Installation of Sensors Site18																																			
	42	2024	AF	1	0	1																							1						
Installation of Sensors Site19																																			
	43	2024	AF	1	0	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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834010 / General Information Technology **Item Number / Title [DODIC]:** National Technical Nuclear Forensics

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023													Fiscal Year 2024													BALANCE				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024															
							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					
Sensor Type 1																																			
	1	2021	AF	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0						
Sensor Type 2																																			
	2	2021	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1										0						
Sensor Type 3																																			
	3	2021	AF	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2			0						
Sensor Type 4																																			
	4	2021	AF	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2			0							
Sensor Type 5																																			
	5	2021	AF	9	0	9	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	2				0							
Sensor Type 6																																			
	6	2021	AF	7	0	7	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2					0							
Sensor Type 7																																			
	7	2024	AF	3	0	3																					A -	-	-	-	-	-	-	-	3
Installation of Sensors Site1																																			
	8	2021	AF	1	0	1			A -	-	-	-	-	1																				0	
Installation of Sensors Site3																																			
	9	2022	AF	1	0	1	-	1																										0	
Detailed Installation Plan Site4																																			
	10	2021	AF	1	0	1	-	-	-	-	-	1																						0	
Installation of Sensors Site4																																			
	11	2022	AF	1	0	1											A -	-	-	-	1													0	
Detailed Installation Plan Site5																																			
	12	2021	AF	1	0	1	-	-	-	-	1																								0
Installation of Sensors Site5																																			
	13	2022	AF	1	0	1											A -	-	-	-	1													0	
Detailed Installation Plan Site6																																			
	14	2022	AF	1	0	1											A -	-	-	1															0
Installation of Sensors Site6																																			
	15	2023	AF	1	0	1											A -	-	-	-	1														0
Detailed Installation Plan Site7																																			
	16	2022	AF	1	0	1											A -	-	-	1															0
Installation of Sensors Site7																																			
							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					







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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025														Fiscal Year 2026														BALANCE
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							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					
Sensor Type 1																																			
	1	2021	AF		2	2	0																							0					
Sensor Type 2																																			
	2	2021	AF		1	1	0																							0					
Sensor Type 3																																			
	3	2021	AF		3	3	0																							0					
Sensor Type 4																																			
	4	2021	AF		3	3	0																							0					
Sensor Type 5																																			
	5	2021	AF		9	9	0																							0					
Sensor Type 6																																			
	6	2021	AF		7	7	0																							0					
Sensor Type 7																																			
	7	2024	AF		3	0	3	-	1	-	-	1	-	-	1															0					
Installation of Sensors Site1																																			
	8	2021	AF		1	1	0																							0					
Installation of Sensors Site3																																			
	9	2022	AF		1	1	0																							0					
Detailed Installation Plan Site4																																			
	10	2021	AF		1	1	0																							0					
Installation of Sensors Site4																																			
	11	2022	AF		1	1	0																							0					
Detailed Installation Plan Site5																																			
	12	2021	AF		1	1	0																							0					
Installation of Sensors Site5																																			
	13	2022	AF		1	1	0																							0					
Detailed Installation Plan Site6																																			
	14	2022	AF		1	1	0																							0					
Installation of Sensors Site6																																			
	15	2023	AF		1	1	0																							0					
Detailed Installation Plan Site7																																			
	16	2022	AF		1	1	0																							0					
Installation of Sensors Site7																																			
								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				



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							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					
Detailed Installation Plan Site16																																			
	34	2024	AF	1	1	0																										0			
Installation of Sensors Site16																																			
	35	2024	AF	1	1	0																										0			
Detailed Installation Plan Site17																																			
	36	2024	AF	1	1	0																										0			
Installation of Sensors Site17																																			
	37	2024	AF	1	1	0																										0			
Detailed Installation Plan Site18																																			
	38	2024	AF	1	1	0																										0			
Detailed Installation Plan Site19																																			
	39	2024	AF	1	1	0																										0			
Detailed Installation Plan Site20																																			
	40	2024	AF	1	1	0																										0			
Detailed Installation Plan Site21																																			
	41	2024	AF	1	1	0																										0			
Installation of Sensors Site18																																			
	42	2024	AF	1	0	1	1																									0			
Installation of Sensors Site19																																			
	43	2024	AF	1	0	1	1																									0			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Honeywell FM&T, LLC - Kansas City, MO	1	1	2	0	0	0	0	30	4	37	41
2	Honeywell FM&T, LLC - Kansas City, MO	1	1	1	0	0	0	0	30	4	32	36
3	Honeywell FM&T, LLC - Kansas City, MO	1	1	4	0	0	0	0	30	4	36	40
4	Honeywell FM&T, LLC - Kansas City, MO	1	1	4	0	0	0	0	30	7	33	40
5	Honeywell FM&T, LLC - Kansas City, MO	4	4	9	0	0	0	0	30	7	28	35
6	Honeywell FM&T, LLC - Kansas City, MO	3	3	7	0	0	0	0	30	7	29	36
7	Honeywell FM&T, LLC - Kansas City, MO	1	4	4	30	5	9	14	0	0	0	0
8	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	26	4	30	0	0	0	0
9	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	9	5	14	0	0	0	0
10	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	12	17	29	0	0	0	0
11	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	18	3	21	0	0	0	0
12	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	14	15	29	0	0	0	0
13	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	19	3	22	0	0	0	0
14	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	18	2	20	0	0	0	0
15	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	9	4	13	0	0	0	0

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
16	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	20	2	22	0	0	0	0
17	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	11	4	15	0	0	0	0
18	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	20	2	22	0	0	0	0
19	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	12	4	16	0	0	0	0
20	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	9	2	11	0	0	0	0
21	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	13	4	17	0	0	0	0
22	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	11	2	13	0	0	0	0
23	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	14	4	18	0	0	0	0
24	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	13	2	15	0	0	0	0
25	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	16	4	20	0	0	0	0
26	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	15	2	17	0	0	0	0
27	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	18	4	22	0	0	0	0
28	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	15	2	17	0	0	0	0

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834010 / General Information Technology **Item Number / Title [DODIC]:** National Technical Nuclear Forensics

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
29	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	18	4	22	0	0	0	0
30	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	16	2	18	0	0	0	0
31	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	19	4	23	0	0	0	0
32	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	16	2	18	0	0	0	0
33	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	19	4	23	0	0	0	0
34	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	5	2	7	0	0	0	0
35	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	8	4	12	0	0	0	0
36	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	5	2	7	0	0	0	0
37	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	7	5	12	0	0	0	0
38	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	6	2	8	0	0	0	0
39	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	6	2	8	0	0	0	0
40	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	7	2	9	0	0	0	0
41	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	7	2	9	0	0	0	0

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> National Technical Nuclear Forensics
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
42	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	9	4	13	0	0	0	0
43	Applied Research Associates, Inc. - Albuquerque, NM	1	1	1	30	9	4	13	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Wargaming and Simulation Centers
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	4	4	4	-	4
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.757	0.785	-	0.785
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.757	0.785	-	0.785
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.757</b>	<b>0.785</b>	-	<b>0.785</b>

*(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	0.000	0.000	0.000	0.000
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	0.000	0.189	0.196	-	0.196

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Wargaming and Simulation Centers Cost																		
Recurring Cost																		
636863 <sup>(t)</sup>	-	-	-	-	-	0.000	0.189	4	0.757	0.196	4	0.785	-	-	-	0.196	4	0.785
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.757	-	-	0.785	-	-	-	-	-	0.785
<i>Subtotal: Hardware - Wargaming and Simulation Centers Cost</i>	-	-	-	-	-	0.000	-	-	0.757	-	-	0.785	-	-	-	-	-	0.785
<b>Gross/Weapon System Cost</b>	-	-	-	0.000	4	0.000	0.189	4	0.757	0.196	4	0.785	-	-	-	0.196	4	0.785

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



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology					<b>Item Number / Title [DODIC]:</b> Wargaming and Simulation Centers				
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
636863		2023	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2023	Nov 2023	4	0.189	Y		Nov 2022
636863		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2024	Nov 2024	4	0.196	Y		Nov 2023

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Distributed Training and Exercises

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.293	0.320	0.330	-	0.330
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.293	0.320	0.330	-	0.330
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.293</b>	<b>0.320</b>	<b>0.330</b>	-	<b>0.330</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware - Distributed Training and Exercises Cost</b>																		
<b>Recurring Cost</b>																		
Wargaming Information Environment (WIE) <sup>(†)</sup>	-	-	-	0.293	1	0.293	0.320	1	0.320	0.330	1	0.330	-	-	-	0.330	1	0.330
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.293	-	-	0.320	-	-	0.330	-	-	-	-	-	0.330
<i>Subtotal: Hardware - Distributed Training and Exercises Cost</i>	-	-	-	-	-	0.293	-	-	0.320	-	-	0.330	-	-	-	-	-	0.330
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.293	-	-	0.320	-	-	0.330	-	-	-	-	-	0.330

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Distributed Training and Exercises
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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
Wargaming Information Environment (WIE) <sup>(†)</sup>		2022	Blue Force Inc. / JB Andrews	PO	AFDW	Apr 2022	Mar 2023	1	0.293	Y		Jan 2022
Wargaming Information Environment (WIE) <sup>(†)</sup>		2023	Blue Force Inc. / JB Andrews	PO	AFDW	Apr 2023	Mar 2024	1	0.320	Y		Jan 2023
Wargaming Information Environment (WIE) <sup>(†)</sup>		2024	Blue Force Inc. / JB Andrews	PO	AFDW	Apr 2024	Mar 2025	1	0.330	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Distributed Training and Exercises
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Wargaming Information Environment (WIE)																															
1	2022	AF		1	1	0																							0		
1	2023	AF		1	0	1	-	-	-	-	-	1																	0		
1	2024	AF		1	0	1							A	-	-	-	-	-	-	-	-	-	-	-	-	1	0				
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> Distributed Training and Exercises					
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Blue Force Inc. - JB Andrews			30	0	0	0	0	0	0	7	11	18

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Full Combat Mission Training
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.000	89.645	-	89.645
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.000	89.645	-	89.645
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.000</b>	<b>0.000</b>	<b>89.645</b>	-	<b>89.645</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Full Combat Mission Training Cost</b>																		
Non Recurring Cost																		
Mass Brief Debrief	-	-	-	-	-	0.000	-	-	0.000	7.104	1	7.104	-	-	-	7.104	1	7.104
JSE Battlespace HW/ SW Integration and Connectivity <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	80.541	1	80.541	-	-	-	80.541	1	80.541
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	87.645	-	-	-	-	-	87.645
<i>Subtotal: Hardware - Full Combat Mission Training Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	87.645	-	-	-	-	-	87.645
<b>Support - Full Combat Mission Training Cost</b>																		
PMA	-	-	-	-	-	0.000	-	-	0.000	2.000	1	2.000	-	-	-	2.000	1	2.000
<i>Subtotal: Support - Full Combat Mission Training Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	2.000	-	-	-	-	-	2.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	-	-	89.645	-	-	-	-	-	89.645

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology					<b>Item Number / Title [DODIC]:</b> Full Combat Mission Training				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
JSE Battlespace HW/SW Integration and Connectivity		2024	TBD / TBD	TBD	AFLCMC Wright Patterson AFB	Mar 2024	Mar 2025	1	80.541	N		

**Remarks:**

This PE provides USAF Combat Air Force (CAF) a critical virtual distributed training capability to meet the full training continuum to address test, tactical, operational, strategic levels of war for joint warfighter readiness. This PE invests in programs to meet OSD & CSAF initiatives to improve operational training against peer/near-peer threats for all combat coded operational units. Funds support VTTC standup efforts to build TS/SCI/SAR Network & battlespace infrastructure including, but not limited to, JSE, manned and simulated threat sim procurement, mass brief and de-brief equipment, programmatic support, and all peripheral equipment and systems. If not funded, STOPS all high-fidelity simulator training and degrades Formal Training Unit (FTU) training capacity resulting in both reduced aircrew throughput and joint warfighter tactical readiness. STOPS all VTTC standup efforts, JSE integration and sustainment, and ends CAF HEAT3 capability.



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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Intel Data Applications
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	5.046	0.332	4.364	-	4.364
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	5.046	0.332	4.364	-	4.364
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>5.046</b>	<b>0.332</b>	<b>4.364</b>	-	<b>4.364</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Intel Data Applications Cost																		
Recurring Cost																		
Intel Data Applications <sup>(†)</sup>	-	-	-	5.046	1	5.046	0.332	1	0.332	4.364	1	4.364	-	-	-	4.364	1	4.364
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.046	-	-	0.332	-	-	4.364	-	-	-	-	-	4.364
<i>Subtotal: Software - Intel Data Applications Cost</i>	-	-	-	-	-	5.046	-	-	0.332	-	-	4.364	-	-	-	-	-	4.364
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	5.046	-	-	0.332	-	-	4.364	-	-	-	-	-	4.364

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Intel Data Applications
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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
Intel Data Applications <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC Hanscom AFB	Apr 2022	Sep 2022	1	5.046	Y		Dec 2021
Intel Data Applications <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2023	Sep 2023	1	0.332	Y		Dec 2022
Intel Data Applications <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2024	Sep 2024	1	4.364	Y		Dec 2023

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834010 / General Information Technology **Item Number / Title [DODIC]:** Intel Data Applications

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Intel Data Applications																															
1	2022	AF <sup>(1)</sup>		1	0	1																							A - - - - - 1		0
2	2023	AF <sup>(2)</sup>		1	0	1																							A - - - - - 1		0
2	2024	AF <sup>(3)</sup>		1	0	1																									1



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Intel Data Applications
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various				0	0	0	0	0	0	0	0	0
2	TBD - TBD			30	0	0	0	0	0	0	0	0	0

"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).

**Footnotes:**

- (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.
- (3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2021 loaded in the month of first delivery.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Security and Investigative Activities
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	1	1	1	-	1
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.560	1.693	1.754	-	1.754
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	1.560	1.693	1.754	-	1.754
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>1.560</b>	<b>1.693</b>	<b>1.754</b>	-	<b>1.754</b>
<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>	-	0.000	0.000	0.000	-	0.000
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	1.560	1.693	1.754	-	1.754

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Security and Investigative Activities Cost																		
Recurring Cost																		
28588007 <sup>(t)</sup>	-	-	-	1.560	1	1.560	1.693	1	1.693	1.754	1	1.754	-	-	-	1.754	1	1.754
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.560	-	-	1.693	-	-	1.754	-	-	-	-	-	1.754
<i>Subtotal: Software - Security and Investigative Activities Cost</i>	-	-	-	-	-	<b>1.560</b>	-	-	<b>1.693</b>	-	-	<b>1.754</b>	-	-	-	-	-	<b>1.754</b>
<b>Gross/Weapon System Cost</b>	-	-	-	<b>1.560</b>	<b>1</b>	<b>1.560</b>	<b>1.693</b>	<b>1</b>	<b>1.693</b>	<b>1.754</b>	<b>1</b>	<b>1.754</b>	-	-	-	<b>1.754</b>	<b>1</b>	<b>1.754</b>

**Remarks:**  
FY21 - Execution did not occur due to contractor delays. Full execution planned for FY22.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Security and Investigative Activities
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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
28588007 <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Jan 2022	Jan 2022	1	1.560	N	Dec 2021	
28588007 <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jan 2023	Jan 2023	1	1.693	N	Dec 2022	
28588007 <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Jan 2024	1	1.754	N	Dec 2023	

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Security and Investigative Activities
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
28588007																																			
1		2022	AF	1	0	1										A1													0						
1		2023	AF	1	0	1																					A1		0						
1		2024	AF	1	0	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					



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Security and Investigative Activities
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
28588007																															
1		2022	AF	1	1	0																									0
1		2023	AF	1	1	0																									0
1		2024	AF	1	0	1					A1														0						
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Security and Investigative Activities
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various			30	0	0	0	0	0	0	4	0	4

**Remarks:**  
None

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Mission Partner Environments

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	14.887	10.535	-	10.535
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	14.887	10.535	-	10.535
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.000</b>	<b>14.887</b>	<b>10.535</b>	-	<b>10.535</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Mission Partner Environments Cost																		
Recurring Cost																		
Non-DWCF Electronic and Telecommunication Equipment <sup>(t)</sup>	-	-	-	-	-	0.000	14.887	1	14.887	10.535	1	10.535	-	-	-	10.535	1	10.535
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	14.887	-	-	10.535	-	-	-	-	-	10.535
<i>Subtotal: Hardware - Mission Partner Environments Cost</i>	-	-	-	-	-	0.000	-	-	14.887	-	-	10.535	-	-	-	-	-	10.535
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	14.887	-	-	10.535	-	-	-	-	-	10.535

**Remarks:**

FY 2025 funds the purchase of network infrastructure equipment, O&M, and contractor support to extend MPE enclave access to USAFE Main Operating Bases (MOBs) and Forward Operating Bases (FOBs) in support of C2 and intelligence information-sharing capabilities.

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Mission Partner Environments
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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
Non-DWCF Electronic and Telecommunication Equipment		2023	GDIT / Falls Church, VA	C / FFP	AA-CDM	Jul 2023	Aug 2023	1	14.887	Y		
Non-DWCF Electronic and Telecommunication Equipment <sup>(†)</sup>		2024	GDIT / Falls Church, VA	C / FFP	AA-CDM	Jul 2024	Aug 2024	1	10.535	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Mission Partner Environments
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024													
							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	
Non-DWCF Electronic and Telecommunication Equipment																																
1		2024	AF	1	0	1																							A -	1		0
							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		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> Mission Partner Environments					
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	GDIT - Falls Church, VA	1	1	1	0	0	0	0	0	1	10	1	11

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Communications and Information Technology

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>		-	1.689	1.261	7.513	-	7.513
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>		-	1.689	1.261	7.513	-	7.513
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>		-	<b>1.689</b>	<b>1.261</b>	<b>7.513</b>	-	<b>7.513</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Communications and Information Technology Cost																		
Recurring Cost																		
Communications and Information Technology <sup>(t)</sup>	-	-	-	1.689	1	1.689	1.261	1	1.261	7.513	1	7.513	-	-	-	7.513	1	7.513
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.689	-	-	1.261	-	-	7.513	-	-	-	-	-	7.513
<i>Subtotal: Hardware - Communications and Information Technology Cost</i>	-	-	-	-	-	1.689	-	-	1.261	-	-	7.513	-	-	-	-	-	7.513
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.689	-	-	1.261	-	-	7.513	-	-	-	-	-	7.513

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> Communications and Information Technology					

<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Communications and Information Technology <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC Hanscom AFB	Apr 2022	Oct 2022	1	1.689	Y		Dec 2021
Communications and Information Technology <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2023	Oct 2023	1	1.261	Y		Dec 2022
Communications and Information Technology <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Apr 2024	Oct 2024	1	7.513	Y		Dec 2023

<sup>(†)</sup> indicates the presence of a P-21







**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
		<b>Item Number / Title [DODIC]:</b> Communications and Information Technology

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various				0	0	0	0	0	0	0	0	0
2	TBD - TBD			30	0	0	0	0	0	0	7	6	13

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Tactical Data Networks Enterprise
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	4.213	48.040	37.732	-	37.732
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.213	48.040	37.732	-	37.732
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.213</b>	<b>48.040</b>	<b>37.732</b>	-	<b>37.732</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - TDL - PAM Cost																		
Non Recurring Cost																		
TDL-PAM	-	-	-	4.213	1	4.213	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	4.213	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - TDL - PAM Cost</i>	-	-	-	-	-	4.213	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HCB Cost																		
Non Recurring Cost																		
HCB-GEP <sup>(†)</sup>	-	-	-	-	-	-	13.297	3	39.890	5.390	7	37.732	-	-	-	5.390	7	37.732
HCB-U	-	-	-	-	-	-	8.150	1	8.150	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	48.040	-	-	37.732	-	-	-	-	-	37.732
<i>Subtotal: Hardware - HCB Cost</i>	-	-	-	-	-	-	-	-	48.040	-	-	37.732	-	-	-	-	-	37.732
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.213	-	-	48.040	-	-	37.732	-	-	-	-	-	37.732

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Tactical Data Networks Enterprise
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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
HCB-GEP <sup>(†)</sup>		2023	TBD / TBD	TBD	Hanscom AFB	Jul 2023	Jun 2024	3	13.297	Y		Jan 2023
HCB-GEP <sup>(†)</sup>		2024	TBD / TBD	TBD	Hanscom AFB	Jul 2024	Jun 2025	7	5.390	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Tactical Data Networks Enterprise
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025												Fiscal Year 2026												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026												
							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
HCB-GEP																															
	1	2023	AF	3	3	0																							0		
	1	2024	AF	7	0	7	-	-	-	-	-	-	-	-	7														0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Tactical Data Networks Enterprise

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TBD - TBD	1	1	10	0	0	0	0	0	1	10	11	21

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.504	2.018	2.154	-	2.154
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	1.504	2.018	2.154	-	2.154
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>1.504</b>	<b>2.018</b>	<b>2.154</b>	-	<b>2.154</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Logistics Support Activities Cost																		
Recurring Cost																		
Network Hardware <sup>(†)</sup>	-	-	-	1.119	1	1.119	1.518	1	1.518	1.648	1	1.648	-	-	-	1.648	1	1.648
Network Power Hardware <sup>(†)</sup>	-	-	-	0.385	1	0.385	0.500	1	0.500	0.506	1	0.506	-	-	-	0.506	1	0.506
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.504	-	-	2.018	-	-	2.154	-	-	-	-	-	2.154
<i>Subtotal: Hardware - Logistics Support Activities Cost</i>	-	-	-	-	-	1.504	-	-	2.018	-	-	2.154	-	-	-	-	-	2.154
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.504	-	-	2.018	-	-	2.154	-	-	-	-	-	2.154

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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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
Network Hardware <sup>(†)</sup>		2022	TBD / TBD	C / TBD	AFLCMC/HI - Business & Enterprise Systems	Aug 2022	Sep 2022	1	1.119	Y		
Network Hardware <sup>(†)</sup>		2023	TBD / TBD	C / TBD	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	1.518	Y		
Network Hardware <sup>(†)</sup>		2024	TBD / TBD	C / TBD	AFLCMC/HI - Business & Enterprise Systems	Jul 2024	Aug 2024	1	1.648	Y		
Network Power Hardware <sup>(†)</sup>		2022	Computer Sites, INC. / Denver, CO	C / FFP	AFLCMC/HI - Business & Enterprise Systems	Apr 2022	May 2022	1	0.385	Y		
Network Power Hardware <sup>(†)</sup>		2023	TBD / TBD	C / TBD	AFLCMC/HI - Business & Enterprise Systems	Mar 2023	Apr 2023	1	0.500	Y		
Network Power Hardware <sup>(†)</sup>		2024	TBD / TBD	C / TBD	AFLCMC/HI - Business & Enterprise Systems	Mar 2024	Apr 2024	1	0.506	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Network Hardware																															
	1	2022	AF	1	0	1																							0		
	1	2023	AF	1	0	1																							0		
	1	2024	AF	1	0	1																							1		
Network Power Hardware																															
	2	2022	AF	1	0	1																							0		
	3	2023	AF	1	0	1																							0		
	3	2024	AF	1	0	1																							1		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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>Network Hardware</b>																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	1	0																							0		
	1	2024	AF	1	0	1																							0		
<b>Network Power Hardware</b>																															
	2	2022	AF	1	1	0																							0		
	3	2023	AF	1	1	0																							0		
	3	2024	AF	1	0	1																							0		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	1	1	10	1	11	1	0	0	0
2	Computer Sites, INC. - Denver, CO				0	0	0	0	0	0	0	0
3	TBD - TBD	1	1	1	1	6	1	7	0	0	0	0

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> AF LVC Operational Training (LVC-OT)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	11.858	20.547	11.395	-	11.395
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	11.858	20.547	11.395	-	11.395
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>11.858</b>	<b>20.547</b>	<b>11.395</b>	-	<b>11.395</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - AF LVC Operational Training LVC-OT Cost</b>																		
Non Recurring Cost																		
Operations Center Equipment	-	-	-	-	-	-	7.486	2	14.972	-	-	-	-	-	-	-	-	-
Training System Integration Equipment <sup>(f)</sup>	-	-	-	-	-	-	1.330	4	5.320	1.392	6	8.349	-	-	-	1.392	6	8.349
Next Generation Training Equipment	-	-	-	-	-	-	-	-	0.255	-	-	-	-	-	-	-	-	-
Joint Synthetic Environment On Premise Equipment	-	-	-	1.128	3	3.385	-	-	-	-	-	-	-	-	-	-	-	-
On Premise Equipment	-	-	-	0.310	1	0.310	-	-	-	0.433	6	2.596	-	-	-	0.433	6	2.596
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	3.695	-	-	20.547	-	-	10.945	-	-	-	-	-	10.945
<i>Subtotal: Hardware - AF LVC Operational Training LVC-OT Cost</i>	-	-	-	-	-	3.695	-	-	20.547	-	-	10.945	-	-	-	-	-	10.945
<b>Support - AF LVC Operational Training (LVC-OT) Cost</b>																		
Omnibus	-	-	-	-	-	7.500	-	-	-	-	-	-	-	-	-	-	-	-
Program Management and Administration	-	-	-	-	-	0.663	-	-	-	-	-	0.450	-	-	-	-	-	0.450
<i>Subtotal: Support - AF LVC Operational Training (LVC-OT) Cost</i>	-	-	-	-	-	8.163	-	-	-	-	-	0.450	-	-	-	-	-	0.450

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology						<b>Item Number / Title [DODIC]:</b> AF LVC Operational Training (LVC-OT)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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	-	-	-	-	-	11.858	-	-	20.547	-	-	11.395	-	-	-	-	-	11.395

**Remarks:**

PE 0801380F AF LVC Operational Training (LVC-OT)

a. VIRTUAL AND CONSTRUCTIVE BATTLESPACE ENVIRONMENTS: FY 2024 funding supports procurement of hardware necessary to establish multi-domain, high-end advanced training and tactics against near peer threats and related support activities, including, but not limited to fighter in a box helmet mounted cuing systems and man in the loop helmet mounted displays.

b. SIMULATOR COMMON ARCHITECTURE REQUIREMENTS AND STANDARDS (SCARS): Funding supports procurement of hardware necessary to establish a common open system architecture for Air Force simulators. FY 2024 efforts include, but are not limited to, site connections to the operations center and equipment and purchase of equipment and software licenses to expand capabilities at training system integration labs. The hardware and software will include tools that improve Air Force training systems by enabling continuous delivery and continuous integration and promoting the use of automation. Funding may also be used to address Diminishing Manufacturing Source (DMS) issues, obsolescence resolution and similar emerging requirements.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> AF LVC Operational Training (LVC-OT)
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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
Training System Integration Equipment <sup>(†)</sup>		2023	CAE / Arlington, TX	C / FFP	AFLCMC/WN - Agile Combat Systems	Jun 2023	Jun 2024	4	1.330	Y		Jan 2023
Training System Integration Equipment <sup>(†)</sup>		2024	CAE / Arlington, TX	C / FFP	AFLCMC/WN - Agile Combat Systems	Jun 2024	Jun 2025	6	1.392	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

PE 0801380F AF LVC Operational Training (LVC-OT)

a. VIRTUAL AND CONSTRUCTIVE BATTLESPACE ENVIRONMENTS: FY 2024 funding supports procurement of hardware necessary to establish multi-domain, high-end advanced training and tactics against near peer threats and related support activities, including, but not limited to fighter in a box helmet mounted cuing systems and man in the loop helmet mounted displays.

b. SIMULATOR COMMON ARCHITECTURE REQUIREMENTS AND STANDARDS (SCARS): Funding supports procurement of hardware necessary to establish a common open system architecture for Air Force simulators. FY 2024 efforts include, but are not limited to, site connections to the operations center and equipment and purchase of equipment and software licenses to expand capabilities at training system integration labs. The hardware and software will include tools that improve Air Force training systems by enabling continuous delivery and continuous integration and promoting the use of automation.

Funding may also be used to address Diminishing Manufacturing Source (DMS) issues, obsolescence resolution and similar emerging requirements.



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> AF LVC Operational Training (LVC-OT)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE																						
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024																																	
							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																					
Training System Integration Equipment																																																				
1		2023	AF	4	0	4																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2		
1		2024	AF	6	0	6																																									A	-	-	-	-	6
							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																						

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834010 / General Information Technology **Item Number / Title [DODIC]:** AF LVC Operational Training (LVC-OT)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025													Fiscal Year 2026													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							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			
Training System Integration Equipment																																	
1		2023	AF	4	2	2	1	-	1																				0				
1		2024	AF	6	0	6	-	-	-	-	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1			0				
							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			

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> AF LVC Operational Training (LVC-OT)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	CAE - Arlington, TX	1	7	7	1	9	12	21	0	0	0	0

**Remarks:**

PE 0801380F AF LVC Operational Training (LVC-OT)

a. VIRTUAL AND CONSTRUCTIVE BATTLESPACE ENVIRONMENTS: FY 2024 funding supports procurement of hardware necessary to establish multi-domain, high-end advanced training and tactics against near peer threats and related support activities, including, but not limited to fighter in a box helmet mounted cuing systems and man in the loop helmet mounted displays.

b. SIMULATOR COMMON ARCHITECTURE REQUIREMENTS AND STANDARDS (SCARS): Funding supports procurement of hardware necessary to establish a common open system architecture for Air Force simulators. FY 2024 efforts include, but are not limited to, site connections to the operations center and equipment and purchase of equipment and software licenses to expand capabilities at training system integration labs. The hardware and software will include tools that improve Air Force training systems by enabling continuous delivery and continuous integration and promoting the use of automation.

Funding may also be used to address Diminishing Manufacturing Source (DMS) issues, obsolescence resolution and similar emerging requirements.

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Recruit Training Units
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.664	0.803	0.832	-	0.832
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.664	0.803	0.832	-	0.832
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.664</b>	<b>0.803</b>	<b>0.832</b>	-	<b>0.832</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Recruit Training Units Cost																		
Recurring Cost																		
Recruit Training Units	-	-	-	0.664	1	0.664	0.803	1	0.803	0.832	1	0.832	-	-	-	0.832	1	0.832
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.664	-	-	0.803	-	-	0.832	-	-	-	-	-	0.832
<i>Subtotal: Hardware - Recruit Training Units Cost</i>	-	-	-	-	-	0.664	-	-	0.803	-	-	0.832	-	-	-	-	-	0.832
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.664	-	-	0.803	-	-	0.832	-	-	-	-	-	0.832

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Service Academies

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	1.387	2.333	1.425	-	1.425
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	1.387	2.333	1.425	-	1.425
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>1.387</b>	<b>2.333</b>	<b>1.425</b>	-	<b>1.425</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Service Academies Cost																		
Non Recurring Cost																		
USAFA WIFI Expansion <sup>(t)</sup>	-	-	-	1.387	1	1.387	2.333	1	2.333	1.425	1	1.425	-	-	-	1.425	1	1.425
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	1.387	-	-	2.333	-	-	1.425	-	-	-	-	-	1.425
<i>Subtotal: Hardware - Service Academies Cost</i>	-	-	-	-	-	1.387	-	-	2.333	-	-	1.425	-	-	-	-	-	1.425
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.387	-	-	2.333	-	-	1.425	-	-	-	-	-	1.425

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Service Academies
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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
USAFA WIFI Expansion <sup>(†)</sup>		2022	TELOS / USAFA	C / FFP	USAFA	Sep 2022	Sep 2022	1	1.387	Y		Dec 2021
USAFA WIFI Expansion <sup>(†)</sup>		2023	TBD / USAFA	TBD	USAFA	Sep 2023	Sep 2023	1	2.333	Y		Dec 2022
USAFA WIFI Expansion <sup>(†)</sup>		2024	TBD / USAFA	TBD	USAFA	Sep 2024	Sep 2024	1	1.425	Y		Dec 2023

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Service Academies
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025															
							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						
USAFA WIFI Expansion																																				
	1	2022	AF	1	1	0																													0	
	2	2023	AF	1	1	0																													0	
	2	2024	AF	1	0	1															A1															0
							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						



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Service Academies
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TELOS - USAFA				0	0	0	0	0	0	0	0	0
2	TBD - USAFA			10	0	0	0	0	0	0	12	0	12

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> General Skill Training
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.444	0.663	0.687	-	0.687
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.444	0.663	0.687	-	0.687
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.444</b>	<b>0.663</b>	<b>0.687</b>	-	<b>0.687</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - General Skill Training Cost																		
Recurring Cost																		
General Skill Training	-	-	-	0.444	1	0.444	0.663	1	0.663	0.687	1	0.687	-	-	-	0.687	1	0.687
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.444	-	-	0.663	-	-	0.687	-	-	-	-	-	0.687
<i>Subtotal: Software - General Skill Training Cost</i>	-	-	-	-	-	0.444	-	-	0.663	-	-	0.687	-	-	-	-	-	0.687
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.444	-	-	0.663	-	-	0.687	-	-	-	-	-	0.687

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Professional Military Education
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	8	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.888	0.965	1.000	-	1.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.888	0.965	1.000	-	1.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.888</b>	<b>0.965</b>	<b>1.000</b>	-	<b>1.000</b>

*(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>	-	-	0.121	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Professional Military Education Cost																		
Recurring Cost																		
IT System <sup>(†)</sup>	-	-	-	0.178	5	0.888	0.121	8	0.965	0.125	8	1.000	-	-	-	0.125	8	1.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.888	-	-	0.965	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: Hardware - Professional Military Education Cost</i>	-	-	-	-	-	0.888	-	-	0.965	-	-	1.000	-	-	-	-	-	1.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.888	0.121	8	0.965	-	-	1.000	-	-	-	-	-	1.000

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Professional Military Education
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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
IT System <sup>(†)</sup>		2022	Various / Various	C / CPFF	AFLCMC/WW - Fighter/Bomber	Jan 2022	Apr 2022	5	0.178	Y		Nov 2021
IT System <sup>(†)</sup>		2023	Various / Various	C / CPFF	AFLCMC/WW - Fighter/Bomber	Jan 2023	Apr 2023	8	0.121	Y		Nov 2022
IT System <sup>(†)</sup>		2024	Various / Various	C / CPFF	AFLCMC/WW - Fighter/Bomber	Jan 2024	Apr 2024	8	0.125	Y		Nov 2023

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Professional Military Education
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
IT System																																			
	1	2022	AF	5	0	5				A	-	-	-	5																0					
	1	2023	AF	8	0	8															A	-	-	-	8					0					
	1	2024	AF	8	0	8																								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					



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Professional Military Education
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various			15	0	0	0	0	0	0	4	3	7

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Other Professional Education
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.430	0.467	0.483	-	0.483
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.430	0.467	0.483	-	0.483
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>0.430</b>	<b>0.467</b>	<b>0.483</b>	-	<b>0.483</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Other Professional Education Cost																		
Recurring Cost																		
Software <sup>(t)</sup>	-	-	-	0.430	1	0.430	0.467	1	0.467	0.483	1	0.483	-	-	-	0.483	1	0.483
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.430	-	-	0.467	-	-	0.483	-	-	-	-	-	0.483
<i>Subtotal: Software - Other Professional Education Cost</i>	-	-	-	-	-	0.430	-	-	0.467	-	-	0.483	-	-	-	-	-	0.483
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.430	-	-	0.467	-	-	0.483	-	-	-	-	-	0.483

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



**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Other Professional Education
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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
Software <sup>(†)</sup>		2022	Various / USAF	Various	Hanscom AFB	Jan 2022	Jan 2022	1	0.430	Y		Nov 2021
Software <sup>(†)</sup>		2023	TBD / USAF	Various	Hanscom AFB	Jan 2023	Jan 2023	1	0.467	Y		Nov 2022
Software <sup>(†)</sup>		2024	TBD / USAF	Various	Hanscom AFB	Jan 2024	Jan 2024	1	0.483	Y		Nov 2023

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Other Professional Education
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Software																																			
	1	2022	AF		1	0																							0						
	2	2023	AF		1	0																							0						
	2	2024	AF		1	0					A1																		0						
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Other Professional Education
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - USAF				0	0	0	0	0	0	0	0	0
2	TBD - USAF			5	0	0	0	0	0	0	4	0	4

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology	<b>Item Number / Title [DODIC]:</b> Contracting Information Technology System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	1	-	1
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	0.000	0.000	0.718	-	0.718
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	0.000	0.000	0.718	-	0.718
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	<b>0.000</b>	<b>0.000</b>	<b>0.718</b>	-	<b>0.718</b>
<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> )		-	-	-	0.718	-	0.718

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Contracting Information Technology System Cost																		
Non Recurring Cost																		
Software Licenses <sup>(t)</sup>	-	-	-	-	-	0.000	-	-	0.000	0.718	1	0.718	-	-	-	0.718	1	0.718
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.718	-	-	-	-	-	0.718
<i>Subtotal: Software - Contracting Information Technology System Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.718	-	-	-	-	-	0.718
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	0.718	1	0.718	-	-	-	0.718	1	0.718

**Remarks:**

FY 2024 funds support the acquisition of approximately 375 end user licenses.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology				<b>Item Number / Title [DODIC]:</b> Contracting Information Technology System					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Software Licenses <sup>(†)</sup>		2024	Appian Corporation / Reston, VA	SS / FFP	WPAFB, OH	Nov 2023	Feb 2024	1	0.718	Y		Oct 2023

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
FY 2024 funds support the acquisition of approximately 375 end user licenses.

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
		<b>Item Number / Title [DODIC]:</b> Contracting Information Technology System

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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

Software Licenses																																
1	2024	AF		1	0	1		A	-	-	-	1																				0

								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
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**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834010 / General Information Technology
<b>Item Number / Title [DODIC]:</b> Contracting Information Technology System		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Appian Corporation - Reston, VA	1	1	1	1	2	3	5	0	0	0	0

**Remarks:**  
FY 2024 funds are being used to procure COTS software licenses. All licenses will be available for delivery immediately once contractual agreements are met.

"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).



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	<b>P-1 Line Item Number / Title:</b> 834040 / Af Global Command & Control Sys
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.414	2.487	2.582	-	2.582	5.195	5.304	5.491	5.608	-	27.081
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.414	2.487	2.582	-	2.582	5.195	5.304	5.491	5.608	-	27.081
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>0.414</b>	<b>2.487</b>	<b>2.582</b>	-	<b>2.582</b>	<b>5.195</b>	<b>5.304</b>	<b>5.491</b>	<b>5.608</b>	-	<b>27.081</b>

*(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 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, items such as servers, 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 Integrated Imagery & Intelligence). GCCS-AF is integrated at the following locations to establish initial and full joint connectivity and operational capability across the spectrum of intelligence, operations, war planning, manpower, and logistics: AF-supported war-fighting commands, AF critical sites, 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 (DISA) Secret Internet Protocol Router Network (SIPRNET). This program provides a flexible open system and 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.

Funding for the exhibit contained in PE 0303150F: GLOBAL COMMAND AND CONTROL SYSTEM

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Global Command and Control System	P-5a, P-21	A		- / -	- / 0.414	- / 2.487	- / 2.582	- / -	- / 2.582
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 0.414	- / 2.487	- / 2.582	- / -	- / 2.582

\*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 sum exactly due to rounding.

**Justification:**  
 GLOBAL COMMAND AND CONTROL SYSTEM AIR FORCE (GCCS-AF): FY2024 funding continues a multi-year replacement of hardware servers needed to support the DISA-J version 6.100 capability release.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834040 / Af Global Command & Control Sys	<b>Item Number / Title [DODIC]:</b> Global Command and Control System
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.414	2.487	2.582	-	2.582
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.414	2.487	2.582	-	2.582
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.414</b>	<b>2.487</b>	<b>2.582</b>	-	<b>2.582</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Global Command and Control System Cost																		
Recurring Cost																		
GCCS-AF SERVER REPLACEMENT <sup>(†)</sup>	-	-	-	-	-	-	0.033	21	0.693	0.033	21	0.700	-	-	-	0.033	21	0.700
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.693	-	-	0.700	-	-	-	-	-	0.700
<i>Subtotal: Hardware - Global Command and Control System Cost</i>	-	-	-	-	-	-	-	-	0.693	-	-	0.700	-	-	-	-	-	0.700
Support - Global Command and Control System Cost																		
PSC Contractor Services	-	-	-	-	-	0.404	-	-	1.684	-	-	1.684	-	-	-	-	-	1.684
PSC Other Government Costs	-	-	-	-	-	0.010	-	-	0.110	-	-	0.198	-	-	-	-	-	0.198
<i>Subtotal: Support - Global Command and Control System Cost</i>	-	-	-	-	-	0.414	-	-	1.794	-	-	1.882	-	-	-	-	-	1.882
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.414	-	-	2.487	-	-	2.582	-	-	-	-	-	2.582

**Remarks:**

GCCS-AF has compressed the HW server replacement from 5 years into 3 years. As a result, funding requirements will increase beginning in FY25 and server purchases will account for world events such as supply chain issues, volume, discounts, etc.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834040 / Af Global Command & Control Sys	<b>Item Number / Title [DODIC]:</b> Global Command and Control System
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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
GCCS-AF SERVER REPLACEMENT <sup>(†)</sup>		2023	TBD / HANSCOM AFB	C / FFP	AFLCMC Hanscom AFB	Jul 2023	Sep 2023	21	0.033	Y		Feb 2023
GCCS-AF SERVER REPLACEMENT <sup>(†)</sup>		2024	TBD / HANSCOM AFB	C / FFP	AFLCMC Hanscom AFB	Apr 2024	May 2024	21	0.033	Y		Feb 2024

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834040 / Af Global Command & Control Sys	<b>Item Number / Title [DODIC]:</b> Global Command and Control System
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE																	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024																														
							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																					
GCCS-AF SERVER REPLACEMENT																																																			
	1	2023	AF	21	0	21															A -	-	21															0													
	1	2024	AF	21	0	21															A -		21															0													
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> </tr> </table>																												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
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																												

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834040 / Af Global Command & Control Sys				<b>Item Number / Title [DODIC]:</b> Global Command and Control System					
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TBD - HANSCOM AFB			30	0	0	0	0	0	0	7	1	8

"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).

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	<b>P-1 Line Item Number / Title:</b> 834050 / Battlefield Airborne Communication Node (BACN)

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

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	32.807	0.030	-	0.030	3.105	1.174	1.188	2.136	-	40.440
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	32.807	0.030	-	0.030	3.105	1.174	1.188	2.136	-	40.440
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>32.807</b>	<b>0.030</b>	-	<b>0.030</b>	<b>3.105</b>	<b>1.174</b>	<b>1.188</b>	<b>2.136</b>	-	<b>40.440</b>

*(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:**

Battlefield Airborne Communication Node (BACN) provides a flexible, long-endurance, responsive airborne communications capability. BACN provides a dedicated airborne capability to conduct voice bridge translation, Tactical Data Link (TDL) gateway and TDL relay functions for beyond-line-of-sight (BLOS) data communications.

The BACN airborne payload is controlled by ground stations that are comprised of multiple support elements: a Payload Control Element - Launch (PCE-L) and Payload Control Element - Mission (PCE-M). The RD-PCE combines/ provides the same Payload Control Element - Launch (PCE-L) and Payload Control Element - Mission (PCE-M) functionality but in a lightweight, transportable, rapidly deployable configuration designed to meet the worldwide deployability anytime anywhere needs of Combatant Commanders.

Battlefield Airborne Communication Node (BACN) Rapidly Deployable - Payload Control Element procurement effort is a new start for FY23.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 834050 / Battlefield Airborne Communication Node (BACN)

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	E-11A		A		- / -	- / 0.000	- / 0.000	- / 0.030	- / -	- / 0.030
P-5	Battlefield Abn Comm Node (BACN)		A		- / -	- / 0.000	- / 32.807	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 0.000	- / 32.807	- / 0.030	- / -	- / 0.030

\*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 sum exactly due to rounding.

**Justification:**  
 This program, PE 0207238F P-5, is a new start.

This effort procures Rapidly Deployable Payload Control Element (RD-PCE) hardware/software and other equipment modifications as well as shelters and equipment required to build out, support and secure or modify BACN Payload control necessary to meet operational requirements.

- FY23: Qty 8 RD-PCE kit sets and shelters expected to be procured in FY23 with planned phased procurements of RD-PCE kitsets beginning in FY23
- FY24: No further RD-PCE funds are required in FY24.



**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834050 / Battlefield Airborne Communication Node (BACN)	<b>Item Number / Title [DODIC]:</b> E-11A
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.000	0.030	-	0.030
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.000	0.030	-	0.030
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.030</b>	-	<b>0.030</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - 0207238F Cost																		
Non Recurring Cost																		
E-11A	-	-	-	-	-	0.000	-	-	0.000	-	-	0.030	-	-	-	-	-	0.030
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.030	-	-	-	-	-	0.030
<i>Subtotal: Hardware - 0207238F Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.030	-	-	-	-	-	0.030
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	-	-	0.030	-	-	-	-	-	0.030

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834050 / Battlefield Airborne Communication Node (BACN)	<b>Item Number / Title [DODIC]:</b> Battlefield Abn Comm Node (BACN)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	32.807	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	32.807	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.000</b>	<b>32.807</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>
<b>Hardware - Battlefield Airborne Control Node (BACN) Cost</b>																		
Non Recurring Cost																		
Rapidly Deployable Payload Control Element	-	-	-	-	-	0.000	3.598	8	28.784	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	28.784	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Battlefield Airborne Control Node (BACN) Cost</i>	-	-	-	-	-	0.000	-	-	28.784	-	-	0.000	-	-	-	-	-	0.000
<b>Support - Battlefield Abn Comm Node (BACN) Cost</b>																		
Rapidly Deployable Payload Control Element	-	-	-	-	-	-	4.023	1	4.023	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Battlefield Abn Comm Node (BACN) Cost</i>	-	-	-	-	-	-	-	-	4.023	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	32.807	-	-	0.000	-	-	-	-	-	0.000

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	9.119	10.210	3.768	-	3.768	11.428	11.670	12.077	12.332	-	70.604
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	9.119	10.210	3.768	-	3.768	11.428	11.670	12.077	12.332	-	70.604
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>9.119</b>	<b>10.210</b>	<b>3.768</b>	-	<b>3.768</b>	<b>11.428</b>	<b>11.670</b>	<b>12.077</b>	<b>12.332</b>	-	<b>70.604</b>

*(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:**

PE 0401840F AMC Command and Control System - P-40

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 1,100 mobility aircraft. The 618th AOC operates combat delivery, strategic airlift, air refueling, and aeromedical evacuation operations around the world. Funding for this exhibit is contained in program element (PE) 0401840F.

MOBILITY AIR FORCE (MAF) COMMAND AND CONTROL (C2) INFRASTRUCTURE: Provides base wired/wireless infrastructure equipment supporting AMC's 618th AOC and AMC's 11 bases to assure connectivity to AMC's command and control (C2) systems and to ensure they remain operational at AMC bases and operating locations. MAF C2 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 across AMC providing intra-base command and control for base security, emergency management, flight-line operations/maintenance, and crash response.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AMC COMMAND AND CONTROL SYSTEM	P-5a, P-21	A		- / -	- / 9.119	- / 10.210	- / 3.768	- / 0.000	- / 3.768
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 9.119</b>	<b>- / 10.210</b>	<b>- / 3.768</b>	<b>- / -</b>	<b>- / 3.768</b>

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0401840F AMC Command and Control System - P-40

MOBILITY AIR FORCE (MAF) COMMAND AND CONTROL (C2) INFRASTRUCTURE: FY24 funding continues procurement of wired and wireless base network infrastructure equipment to include cabling, routers, bridges, hubs, repeaters and switches 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.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834070 / Mobility Command And Control	<b>Item Number / Title [DODIC]:</b> AMC COMMAND AND CONTROL SYSTEM

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	9.119	10.210	3.768	0.000	3.768
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	9.119	10.210	3.768	0.000	3.768
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>9.119</b>	<b>10.210</b>	<b>3.768</b>	<b>0.000</b>	<b>3.768</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - AMC COMMAND AND CONTROL SYSTEM Cost																		
Recurring Cost																		
Servers <sup>(†)</sup>	-	-	-	9.119	1	9.119	10.210	1	10.210	3.768	1	3.768	-	-	0.000	3.768	1	3.768
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.119	-	-	10.210	-	-	3.768	-	-	0.000	-	-	3.768
<i>Subtotal: Hardware - AMC COMMAND AND CONTROL SYSTEM Cost</i>	-	-	-	-	-	9.119	-	-	10.210	-	-	3.768	-	-	0.000	-	-	3.768
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	9.119	-	-	10.210	-	-	3.768	-	-	0.000	-	-	3.768

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834070 / Mobility Command And Control				<b>Item Number / Title [DODIC]:</b> AMC COMMAND AND CONTROL 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 <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Servers <sup>(†)</sup>		2022	GSA / Scott AFB	SS / Various	AMC	Oct 2020	Jan 2022	1	9.119	Y		
Servers <sup>(†)</sup>		2023	GSA / Scott AFB	SS / Various	AMC	Oct 2021	Jan 2023	1	10.210	Y		
Servers <sup>(†)</sup>		2024	GSA / Scott AFB	SS / Various	AMC	Oct 2023	Jan 2024	1	3.768	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834070 / Mobility Command And Control										<b>Item Number / Title [DODIC]:</b> AMC COMMAND AND CONTROL SYSTEM									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2021														Fiscal Year 2022														BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							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					
Servers																																			
	1	2022	AF	1	0	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0					
	1	2023	AF	1	0	1														A	-	-	-	-	-	-	-	-	-	1					
	1	2024	AF	1	0	1																								1					
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
							C	O	E	A	E	A	A	A	U	U	U	E	C	O	V	E	A	E	A	A	U	J	J	A	S				
							T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	G	P					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834070 / Mobility Command And Control										<b>Item Number / Title [DODIC]:</b> AMC COMMAND AND CONTROL SYSTEM									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							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					
Servers																																			
1		2022	AF	1	1	0																													0
1		2023	AF	1	0	1	-	-	-	1																									0
1		2024	AF	1	0	1																													0
							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	A -	-	-	1													



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834070 / Mobility Command And Control
		<b>Item Number / Title [DODIC]:</b> AMC COMMAND AND CONTROL SYSTEM

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	GSA - Scott AFB	1	1	10	0	0	0	0	0	0	1	3	4

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** 0207589F, 0603287F, 0604287F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	580.954	138.066	148.624	208.704	-	208.704	227.358	243.816	273.501	338.506	-	2,159.529
Less PY Advance Procurement ( <i>\$ in Millions</i> )	0.000	-	-	-	-	-	-	-	-	-	-	0.000
Net Procurement (P-1) ( <i>\$ in Millions</i> )	580.954	138.066	148.624	208.704	-	208.704	227.358	243.816	273.501	338.506	-	2,159.529
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>580.954</b>	<b>138.066</b>	<b>148.624</b>	<b>208.704</b>	-	<b>208.704</b>	<b>227.358</b>	<b>243.816</b>	<b>273.501</b>	<b>338.506</b>	-	<b>2,159.529</b>

*(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:**

FY 2024 funding totals includes \$32,362K for Overseas Operations Costs.

The Air Force Physical Security System (AFPSS) program consists of program elements that procure force protection equipment, as well as support the installation, integration and acceptance testing for base defense physical security systems, such as Integrated Base Defense Security System (IBDSS), Counter Small Unmanned Aircraft Systems (C-sUAS), and Counter-Rockets, Artillery and Mortar (C-RAM) systems, for the purpose of delivering modern and secure base defense solutions to protect people, infrastructure, facilities and the Nation's most critical warfighting assets, both in the homeland and overseas.

AFPSS encompasses the following PEs:

PE 0101110F - B-21 Raider will fund Electronic Security Systems and procure commodity security equipment such as intrusion detection sensors, alarm annunciators, and surveillance systems required for Special Access Program facilities.

PE 0101122F - AIR LAUNCHED CRUISE MISSILE (ALCM) SECURITY SYSTEMS includes commodity security equipment including intrusion detection sensors, alarm annunciators, and surveillance systems required for nuclear warhead storage locations.

PE 0101213F - MINUTEMAN SQUADRONS/Minuteman Security Equipment includes commodity security equipment including intrusion detection sensors, alarm annunciators, and surveillance systems required for nuclear warhead storage locations.

PE 0101233F - SENTINEL (Ground Based Strategic Deterrent (GBSD)) SQUADRONS will fund security systems and equipment for new facilities to include, but not limited to, intrusion detection sensors, alarm annunciators, and surveillance systems required for Special Access Program facilities.

PE 0207522F - AIRBASE AIR DEFENSE SYSTEMS (ABADS) is required to provide initial system capability & continued support at existing, fielded installations to ensure the ability to detect, track, identify and defeat small unmanned aircraft systems and other rockets, artillery, and mortar threats, or other air base threats to ensure capabilities exist and remain effective. The capabilities & support procured protect AF installations, personnel, critical infrastructure at fixed sites, mobile and austere locations, and contingency and non-contingency locations worldwide.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207589F, 0603287F, 0604287F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0207588F - AIR BASE GROUND DEFENSE (ABGD) will procure Integrated Base Defense &amp; expeditionary equipment that is required to provide robust force protection capabilities worldwide for: Perimeter defense, flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, critical infrastructure, sustained sortie generation and air operations. This Program Element Code (PEC) procures 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 (active/passive), armored, and un-armored vehicles, tactical sensors systems, and unit/personnel protective field equipment.</p> <p>PE 208047F - This Program Element Code (PEC) procures equipment and vehicles associated with the Air Force antiterrorism program.</p> <p>PE 0207589F - BASE PHYSICAL SECURITY SYSTEMS (BPSS) Integrated Base Defense Security System (IBDSS) programs and various acquisition blocks. These activities reduce the risk to AF personnel, nuclear, Protection Level 1-Nuclear (PL-1N), and non-nuclear (PL-1 thru PL-4) assets, (weapon systems, aircraft, command &amp; control systems, etc.) and facilities at AF and ANG installations globally. Force Protection BPSS projects support long-term physical security requirements that allow installation commanders and security forces to adapt and counter enduring and emergent threats to high priority assets in accordance with home station, Aerospace Expeditionary Force concepts, and DOD Nuclear Weapons Security Standards where applicable. BPSS will procure tactical/expeditionary equipment that is required to provide robust force protection capabilities worldwide of flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, critical infrastructure, sustained sortie generation and air operations, integrated and interoperable command control &amp; communication (C3) platform &amp; components, and unit/personnel protective field equipment. The Defender Multi-Domain Command, Control and Communications (DMDC3) initiative will rapidly field a platform that integrates the computing power, the means of communication, and the tools for situational awareness to enable the protection of base personnel and base assets.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force			<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A		<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207589F, 0603287F, 0604287F
<b>Line Item MDAP/MAIS Code:</b> N/A			

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	B-21 Raider	P-5a, P-21	A		- / -	- / 0.000	1 / 2.487	6 / 7.020	- / -	6 / 7.020
P-5	GBSD Squadrons		A		- / -	- / 0.000	- / 2.839	- / 4.172	- / -	- / 4.172
P-5	Airbase Air Defense Systems (ABADS)	P-5a, P-21	A		- / -	9 / 42.186	19 / 23.911	19 / 5.043	- / -	19 / 5.043
P-5	Air Base Ground Defense		A		- / -	- / 29.898	- / 70.479	- / 105.036	- / -	- / 105.036
P-3a	5 / IBDSS-3 (Capability Improvement)		A		- / -	- / -	- / 48.908	- / 83.628	- / 0.000	- / 83.628
P-5	Antiterrorism		A		- / -	- / 0.000	- / 0.000	- / 3.805	- / -	- / 3.805
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 580.954</b>	<b>- / 138.066</b>	<b>- / 148.624</b>	<b>- / 208.704</b>	<b>- / -</b>	<b>- / 208.704</b>

  

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	B-21 Raider	P-5a, P-21	A		- / -	- / -	- / -	- / -	- / -	- / -
P-5	GBSD Squadrons		A		- / -	- / -	- / -	- / -	- / -	- / -
P-5	Airbase Air Defense Systems (ABADS)	P-5a, P-21	A		- / -	- / -	- / -	- / -	- / -	- / -
P-5	Air Base Ground Defense		A		- / -	- / -	- / -	- / -	- / -	- / -
P-3a	5 / IBDSS-3 (Capability Improvement)		A		- / 104.102	- / -	- / -	- / -	- / -	- / 236.638
P-5	Antiterrorism		A		- / -	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 227.358</b>	<b>- / 243.816</b>	<b>- / 273.501</b>	<b>- / 338.506</b>	<b>- / -</b>	<b>- / 2,159.529</b>

\*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 sum exactly due to rounding.

**Justification:**

This program, PE 0208047F P-5, is a new start.

PE 0101110F B-21 Raider FY24 funding will procure Electronic Security Systems.

PE 0101122F AIR LAUNCHED CRUISE MISSILE (ALCM) Security Systems  
No FY23 funding requested.

PE 0101213F MINUTEMAN SQUADRONS  
No FY23 funding requested.

PE 0101233F - SENTINEL (Ground Based Strategic Deterrent (GBSD) SQUADRONS FY24 funding requested will funds security systems and equipment for new facilities to include but not limited to intrusion detection sensors, alarm annunciators, and surveillance systems required for Special Access Programs facilities. The physical security system is critical for the deployment of the Sentinel (GBSD) facilities to meet nuclear certification.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207589F, 0603287F, 0604287F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0207522F AIRBASE AIR DEFENSE SYSTEMS (ABADS)  FY2024 funding will primarily address the upgrade of fielded systems to counter evolving Airbase Air Defense threats such as small Unmanned Aircraft Systems (UAS) and Rockets, Artillery and Mortar (RAM). Funding will also be utilized to procure and field systems to additional locations and to further implementation of evolved Command, Control, Communication, Computers, and Intelligence [C4I] systems, thus improving the performance of the fielded Medusa Command and Control and System of Systems. Updates may be limited to server upgrades, which include integration and installation of: cyber fixes, OEM component upgrades, and deficiency resolution. Updates may include, but not be limited to, artificial intelligence for operator task automation, closed-loop training system for operator certification and proficiency, track fusion updates, Link 16 capability integration, Advanced Battle Management System [ABMS] interoperability, Universal Command &amp; Control (UC2) implementation, Electronic Warfare upgrades, to include but not limited to Ninja capability within Medusa C2.</p> <p>PE 0207588F AIR BASE GROUND DEFENSE (ABGD)  FY2024 funding to Air Force Materiel Command (AFMC)/Installation Mission and Support Center (IMSC) will procure Air Force Tactical Security Equipment supporting procurement of Ground-Based Operational Surveillance System (G-BOSS) threat detection systems to satisfy Security Forces early warning requirements. Procures system/equipment, interim contractor support (ICS), training, and engineering/software support as required for 32 systems in Pacific Air Forces (PACAF) and United States Air Forces in Europe (USAFE).</p> <p>FY2024 funding to Installation Mission and Support Center (IMSC)/Log Det will replenish and refresh legacy C2 systems and security equipment deployed to or expended in Air Forces Africa (AFAFRICA), Pacific Defense Initiative (PDI), and additional required War Readiness Material (WRM) in support of Global Force Management/Air Force Force Generation (AFORGEN)/Agile Combat Employment (ACE) constructs and provide off the shelf capability to respond to contingency operations both CONUS and OCONUS. Air Base Ground Defense (ABGD) program procures Integrated Base Defense &amp; expeditionary command, control, communications and security system capabilities that are required to provide robust force protection capabilities worldwide for: perimeter defense, flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, critical infrastructure, sustained sortie generation and air operations.</p> <p>FY2024 funding to USAFE/European Defense Initiative (EDI) will procure interoperable command, control, security operations tactical radio/satellite communications equipment and battlespace/geospatial joint friendly forces tracking systems to support mounted (e.g., armored/unarmored tactical vehicles) and dismounted combat and defensive operations; ground and air tactical sensor/ radar systems; electronic countermeasure warfare systems; ground &amp; air kinetic/non-kinetic weapons and support equipment in support of Global Force Management/AFFORGEN and ACE constructs.</p> <p>FY2024 funding for Security Force Command and Control (C2) Equipment will be used to procure Base Defense Operations Centers and communications equipment to support security forces deployed OCONUS.</p> <p>PE 0208047 ANTITERRORORISM [AT] is a New Start.  FY2024 funding regarding BPAC 823210 [JLTV] will purchase JLTVs HGC1 &amp; 2 models AFAFRICA mission.  FY2024 funding regarding BPAC 834130 [ESS] will purchase Containerized Weapons Systems for AFAFRICA mission.</p> <p>PE 0207589F BASE PHYSICAL SECURITY SYSTEMS [BPSS]  FY2024 Integrated Base Defense Security System (IBDSS-3) funding will support force protection installs of Weapons Generation Facilities, Weapon Storage Areas of nuclear (PL-1N), and non-nuclear (PL-1,2,3,4) assets (weapon systems, aircraft, command &amp; control systems, etc.) and facilities (hangars, SCIFs, etc.) at AF and ANG installations globally and Interim Contractor Support at AF bases.</p> <p>Efforts with funding starting in FY 2025 through FY 2028 are summarized on the P-40.</p> <p>European Deterrence Initiative (EDI) Overseas Operational Costs increase between FY23 and FY24 is to procure interoperable command, control, security operations tactical radio/satellite communications equipment and battlespace/geospatial joint friendly forces tracking systems to support mounted (e.g., armored/unarmored tactical vehicles) and dismounted combat and defensive operations; ground and air tactical sensor/ radar systems; electronic countermeasure warfare systems; ground &amp; air kinetic/non-kinetic weapons and support equipment in support of Global Force Management/AFFORGEN and ACE constructs.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207589F, 0603287F, 0604287F

**Line Item MDAP/MAIS Code:** N/A

Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

- (a) FY 2025 Cost Delta: 123.256 million
- (b) FY 2026 Cost Delta: 138.682 million
- (c) FY 2027 Cost Delta: 202.542 million
- (d) FY 2028 Cost Delta: 266.268 million

**Efforts with funding starting in FY 2025 through FY 2028 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:**

- (a) FY 2025 Cost Delta: 123.256 million
- (b) FY 2026 Cost Delta: 138.682 million
- (c) FY 2027 Cost Delta: 202.542 million
- (d) FY 2028 Cost Delta: 266.268 million
- (e) FY Total Cost Delta: 1,027.624 million

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> B-21 Raider
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	1	6	-	6
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	2.487	7.020	-	7.020
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	2.487	7.020	-	7.020
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>2.487</b>	<b>7.020</b>	-	<b>7.020</b>

*(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> )	-	-	2.487	1.170	-	1.170

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - B-21 Raider Cost																		
Recurring Cost																		
Electronic Security System <sup>(t)</sup>	-	-	-	-	-	0.000	2.487	1	2.487	1.170	6	7.020	-	-	-	1.170	6	7.020
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	2.487	-	-	7.020	-	-	-	-	-	7.020
<i>Subtotal: Hardware - B-21 Raider Cost</i>	-	-	-	-	-	0.000	-	-	2.487	-	-	7.020	-	-	-	-	-	7.020
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	2.487	1	2.487	1.170	6	7.020	-	-	-	1.170	6	7.020

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



**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> B-21 Raider
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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
Electronic Security System <sup>(†)</sup>		2023	TBD / Various	Various	AFGSC	Mar 2023	Aug 2023	1	2.487	Y		Jan 2022
Electronic Security System <sup>(†)</sup>		2024	TBD / Various	Various	AFGSC	Nov 2023	May 2024	6	1.170	Y		Jan 2022

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834130 / Air Force Physical Security System **Item Number / Title [DODIC]:** B-21 Raider

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
Electronic Security System																															
	1	2023	AF	1	0	1																							0		
	1	2024	AF	6	0	6																							0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> B-21 Raider
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - Various	1	6	20	2	2	6	8	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> GBSD Squadrons
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	2.839	4.172	-	4.172
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	2.839	4.172	-	4.172
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.000</b>	<b>2.839</b>	<b>4.172</b>	-	<b>4.172</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Sentinel (GBSD) Squadrons Cost																		
Recurring Cost																		
Facility Security Equipment	-	-	-	-	-	0.000	2.839	1	2.839	1.391	3	4.172	-	-	-	1.391	3	4.172
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	2.839	-	-	4.172	-	-	-	-	-	4.172
<i>Subtotal: Hardware - Sentinel (GBSD) Squadrons Cost</i>	-	-	-	-	-	<b>0.000</b>	-	-	<b>2.839</b>	-	-	<b>4.172</b>	-	-	-	-	-	<b>4.172</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.000</b>	-	-	<b>2.839</b>	-	-	<b>4.172</b>	-	-	-	-	-	<b>4.172</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Airbase Air Defense Systems (ABADS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	9	19	19	-	19
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	42.186	23.911	5.043	-	5.043
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	42.186	23.911	5.043	-	5.043
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>42.186</b>	<b>23.911</b>	<b>5.043</b>	-	<b>5.043</b>

*(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>	-	4.687	1.258	0.265	-	0.265

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - AIRBASE AIR DFENSE SYSTEM [ABADS] Cost</b>																		
Recurring Cost																		
ABADS <sup>(†)</sup>	-	-	-	3.363	9	30.268	0.689	19	13.100	0.263	19	5.000	-	-	-	0.263	19	5.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	30.268	-	-	13.100	-	-	5.000	-	-	-	-	-	5.000
<i>Subtotal: Hardware - AIRBASE AIR DFENSE SYSTEM [ABADS] Cost</i>	-	-	-	-	-	<b>30.268</b>	-	-	<b>13.100</b>	-	-	<b>5.000</b>	-	-	-	-	-	<b>5.000</b>
<b>Support - AIRBASE AIR DFENSE SYSTEM [ABADS] Cost</b>																		
Program Support Costs	-	-	-	-	-	11.918	-	-	10.811	-	-	0.043	-	-	-	-	-	0.043
<i>Subtotal: Support - AIRBASE AIR DFENSE SYSTEM [ABADS] Cost</i>	-	-	-	-	-	<b>11.918</b>	-	-	<b>10.811</b>	-	-	<b>0.043</b>	-	-	-	-	-	<b>0.043</b>
<b>Gross/Weapon System Cost</b>	-	-	-	<b>4.687</b>	<b>9</b>	<b>42.186</b>	<b>1.258</b>	<b>19</b>	<b>23.911</b>	<b>0.265</b>	<b>19</b>	<b>5.043</b>	-	-	-	<b>0.265</b>	<b>19</b>	<b>5.043</b>

**Remarks:**

FY23 quantities of 19 include a technical refresh of servers at 16 fixed sites across AFGSC, AFCENT and USSF, as well as the fielding of new servers to 3 PACAF locations.

FY24 quantities of 19 include system and cyber updates to 19 fixed sites.

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Airbase Air Defense Systems (ABADS)
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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
ABADS <sup>(†)</sup>		2022	Various / Various	SS / CPIF	Hanscom AFB	Mar 2022	Jul 2022	9	3.363	Y		Dec 2021
ABADS <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Mar 2023	Jul 2023	19	0.689	Y		
ABADS <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Mar 2024	Sep 2024	19	0.263	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Airbase Air Defense Systems (ABADS)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
ABADS																															
1		2022	AF	9	0	9																							A - - - - 1 1 1 1 - - - 1 1 1 1 1	0	
1		2023	AF	19	0	19																							A - - - - 1 - 1	17	
1		2024	AF	19	0	19																								19	
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834130 / Air Force Physical Security System **Item Number / Title [DODIC]:** Airbase Air Defense Systems (ABADS)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
ABADS																															
1		2022	AF	9	9	0																							0		
1		2023	AF	19	2	17	1	1	1	1	1	1	1																9		
1		2024	AF	19	0	19																							0		
							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	



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Airbase Air Defense Systems (ABADS)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	19	19	1	6	6	12	0	0	0	0

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Air Base Ground Defense

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	29.898	70.479	105.036	-	105.036
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	29.898	70.479	105.036	-	105.036
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>29.898</b>	<b>70.479</b>	<b>105.036</b>	-	<b>105.036</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - ABGD Cost</b>																		
Recurring Cost																		
Air Force Tactical Security Equipment	-	-	-	4.821	1	4.821	4.610	1	4.610	4.750	1	4.750	-	-	-	4.750	1	4.750
EDI	-	-	-	0.023	797	18.134	-	-	0.000	2.521	12	30.249	-	-	-	2.521	12	30.249
Log Det	-	-	-	3.368	2	6.736	2.014	3	6.042	4.509	1	4.509	-	-	-	4.509	1	4.509
EUCOM Supplemental	-	-	-	-	-	0.000	-	-	-	-	-	65.288	-	-	-	-	-	65.288
Ukraine Supplemental Assistance	-	-	-	-	-	-	59.602	1	59.602	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<b>29.691</b>	-	-	<b>70.254</b>	-	-	<b>104.796</b>	-	-	-	-	-	<b>104.796</b>
<i>Subtotal: Hardware - ABGD Cost</i>	-	-	-	-	-	<b>29.691</b>	-	-	<b>70.254</b>	-	-	<b>104.796</b>	-	-	-	-	-	<b>104.796</b>
<b>Support - ABGD Cost</b>																		
Program Support Costs (Air Force Tactical Security Equipment)	-	-	-	-	-	0.207	-	-	0.225	0.240	1	0.240	-	-	-	0.240	1	0.240
<i>Subtotal: Support - ABGD Cost</i>	-	-	-	-	-	<b>0.207</b>	-	-	<b>0.225</b>	-	-	<b>0.240</b>	-	-	-	-	-	<b>0.240</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>29.898</b>	-	-	<b>70.479</b>	-	-	<b>105.036</b>	-	-	-	-	-	<b>105.036</b>

**Remarks:**

Air Base Ground Defense: These funds will be used to procure tactical/expeditionary equipment that is required to provide robust force protection capabilities worldwide; flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, 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, inter operable tactical communications, [required C3 and protective standoff equipment for] wheeled tactical [non-tactical], armored

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Air Base Ground Defense
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
<p>[un-armored] vehicles, tactical sensors systems, and unit/personnel protective field equipment. Additionally, ABGD will procure all required Technology Integration Management (TIM) and associated integration and interoperability efforts.</p>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Modification Number / Title:</b> 5 / IBDSS-3

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	48.908	83.628	0.000	83.628	104.102	-	-	-	-	236.638
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	48.908	83.628	0.000	83.628	104.102	-	-	-	-	236.638
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>48.908</b>	<b>83.628</b>	<b>0.000</b>	<b>83.628</b>	<b>104.102</b>	-	-	-	-	<b>236.638</b>
<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:**

INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS-3): Reduces the risk to AF personnel; nuclear (PL-1N), and non-nuclear (PL 1-4) assets (i.e., weapon systems, aircraft, command & control systems, etc.) and facilities (hangars, SCIFs, etc.) at AF and ANG 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, critical resources, 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 commensurate protection level security efforts to enable effective Air Force power projection. Force Protection IBDSS projects support long-term physical security requirements which allow installation commanders and security forces to adapt, and counter, enduring and emergent threats to high priority assets in accordance with home station, the Aerospace Expeditionary Force concept and meet the DOD Nuclear Weapons Security standard where applicable.

This continuing effort was previously named Base Physical Security Systems and is not a New Start.

INTEGRATED BASE DEFENSE SECURITY SYSTEM (IBDSS-3): FY24 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 Base Physical Security Systems (BPSS) Intrusion Detection Systems (IDS) and Remote Target Engagement System (RTES). The funding 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) 1, 2, 3, and 4 mission critical assets. Funding also supports the Nuclear (PL-1N) Weapon Storage Areas (WSAs) and Weapon Generation Facilities (WGFs) located throughout the CONUS and vault storage areas at main operating bases in Europe to meet long term physical security requirements in the face of enduring and emerging threats. This includes fielding, modernizing and sustaining RTES. This also includes upgrading existing systems to ensure required capability for vault storage areas and associated intrusion detection, access control and assessment systems requirements, In Accordance With (IAW) United States Air Force (USAF), European Command (EUCOM) and North Atlantic Treaty Organization (NATO)/Supreme Headquarters Allied Power Europe (SHAPE) requirements. The funds provide for upgrades, refurbishment, replacement, or installation of new sensor platform fences and/or lighting systems (to support the surveillance/assessment functions). This year will continue the fielding of the Defender Multi-Domain Command, Control and Communications (DMDC3) initiative to rapidly field a platform that integrates the computing power, the means of communication, and the tools for situational awareness to enable the protection of base personnel and base assets.

Due to world-wide operational mission events, quantities are subject to change. IBDSS-3 will procure Tactical Sensor system (TSS) and other tactical/expeditionary equipment that is required to provide robust force protection capabilities worldwide. This equipment will protect flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, 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, inter operable tactical

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Modification Number / Title:</b> 5 / IBDSS-3
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<p>communications, (required C3 and protective standoff equipment for) wheeled tactical (non-tactical), armored (un-armored) vehicles, tactical sensors systems, and unit/personnel protective field equipment. Additionally, IBDSS-3 will procure all required Technology Integration Management (TIM) and associated integration and interoperability efforts.</p> <p>IBDSS program is being restructured into discrete block upgrades.</p> <p>Milestone/Development Status</p> <p>For Force Protection Commercial Off The Shelf (FP COTS) market research, evaluation and testing. The FP COTS testing applies to all available technologies (delay, denial, detection, assessment, communication display, access control and power) which are considered effective for AF physical security use. This program supports the maintenance and test support at Site C 3 and the Cold Weather Test Site (CWTS), as annotated in DoD Directive 3200.11, listing the 46th Test Wing (TW) as a Major Range and Test facility, conducting developmental and operational testing as the primary mission.</p> <p>Continuing COTS and Modified COTS for system equipment as it becomes obsolete.</p>		

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4					<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System					<b>Modification Number / Title:</b> 5 / IBDSS-3			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> Bases				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0207589F, 0604287F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1: IBDSS-3</i>													
B Kits													
Recurring													
IBDSS-3:EQUIPMENT Group B (Active)	- / -	- / -	14 / 14.843	13 / 26.091	- / -	13 / 26.091	15 / 6.940	- / -	- / -	- / -	- / -	42 / 47.874	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 14.843	- / 26.091	- / -	- / 26.091	- / 6.940	- / -	- / -	- / -	- / -	- / 47.874	
<i>Subtotal: IBDSS-3</i>	- / -	- / -	- / 14.843	- / 26.091	- / -	- / 26.091	- / 6.940	- / -	- / -	- / -	- / -	- / 47.874	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 14.843	- / 26.091	- / -	- / 26.091	- / 6.940	- / -	- / -	- / -	- / -	- / 47.874	
<b>Installation</b>													
<i>Modification Item 1 of 1: IBDSS-3</i>													
<i>Subtotal: Installation</i>	- / -	- / -	14 / 34.065	13 / 57.537	- / -	13 / 57.537	15 / 97.162	- / -	- / -	- / -	- / -	42 / 188.764	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	-	48.908	83.628	0.000	83.628	104.102	-	-	-	-	236.638	

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**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Modification Number / Title:</b> 5 / IBDSS-3
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** IBDSS-3

**Manufacturer Information**

Manufacturer Name: TBD	Manufacturer Location: Various
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Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 8
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Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Jan 2023	Nov 2023	Nov 2024			
Delivery Dates		Sep 2023	Jul 2024	Jul 2025			

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	14 / 34.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 34.065
FY 2024	- / -	- / -	- / -	13 / 57.537	- / -	13 / 57.537	- / -	- / -	- / -	- / -	- / -	13 / 57.537
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	15 / 97.162	- / -	- / -	- / -	- / -	15 / 97.162
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	14 / 34.065	13 / 57.537	- / -	13 / 57.537	15 / 97.162	- / -	- / -	- / -	- / -	42 / 188.764

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	12	2	0	0	13	0	0	0	15	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	42
Out	0	-	-	-	-	3	3	3	3	3	3	3	3	4	5	5	4	-	-	-	-	-	-	-	-	-	-	-	-	0	42

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834130 / Air Force Physical Security System	<b>Item Number / Title [DODIC]:</b> Antiterrorism
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.000	3.805	-	3.805
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.000	3.805	-	3.805
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.000</b>	<b>0.000</b>	<b>3.805</b>	-	<b>3.805</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Ancillary Equipment - Antiterrorism Cost																		
Non Recurring Cost																		
AFAFRICA Support Equipment	-	-	-	-	-	0.000	-	-	0.000	-	-	3.805	-	-	-	-	-	3.805
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.805	-	-	-	-	-	3.805
<i>Subtotal: Ancillary Equipment - Antiterrorism Cost</i>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.805	-	-	-	-	-	3.805
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.000	-	-	3.805	-	-	-	-	-	3.805



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0207429F	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	216.947	320.088	139.213	346.340	-	346.340	289.234	361.941	231.135	231.339	-	2,136.237
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	216.947	320.088	139.213	346.340	-	346.340	289.234	361.941	231.135	231.339	-	2,136.237
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>216.947</b>	<b>320.088</b>	<b>139.213</b>	<b>346.340</b>	-	<b>346.340</b>	<b>289.234</b>	<b>361.941</b>	<b>231.135</b>	<b>231.339</b>	-	<b>2,136.237</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	2.866	11.273	-	-	-	-	-	-	-	-	14.139
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

PE 0207429F:  
 COMBAT TRAINING RANGES (CTR) program procures electronic telecommunication and instrumentation equipment and threat systems for training ranges worldwide to satisfy air combat and electronic warfare (EW) test and training capability requirements. It also procures range scoring systems and replacement equipment for electronics no longer logistically supportable. Funds may be used to address production Diminishing Manufacturing Sources and Material Shortage (DMSMS)/Obsolescence issues through studies, bridge buys, life of type buys, supplier parts replacement and qualification activities to preserve future production capabilities and capacities.

ADVANCED RADAR THREAT SYSTEM VARIANT 1 (ARTS-V1): The ARTS-V1 program will procure long-range strategic SAM threat systems. ARTS-V1 is designed to be used at Department of Defense (DoD) training ranges for aircrew training and tactics development to increase combat effectiveness and aircrew survivability by training aircrews to engage or defend against an advanced SAM threat before encountering it in actual combat. While various aircraft platforms may train against ARTS-V1, the focus of the program is to deliver realistic threat replication meant to test 5th Generation aircraft capabilities.

ADVANCED RADAR THREAT SYSTEM VARIANT 2 (ARTS-V2): The ARTS-V2 program will procure threat systems based on an advanced tactical, mobile, short/medium range foreign fielded SAM radar threat system. ARTS-V2 is designed to be used at Department of Defense (DoD) training ranges for aircrew training and tactics development to increase combat effectiveness and aircrew survivability by training aircrews to engage or defend against an advanced SAM threat before encountering it in actual combat. Various aircraft platforms will train against ARTS-V2, but the focus of the program is on creation of realistic threats meant to stress 5th Generation aircraft capabilities. As of 25 Oct 2022, the ARTS-V2 procurement contract has been terminated for convenience due to the failure of Lockheed Martin to meet contractual systems performance requirements within an acceptable timeframe. Awaiting receipt of termination proposal from LM to negotiate final settlement, to include delivery of the PRA asset.

ADVANCED RADAR THREAT SYSTEM VARIANT 3 (ARTS-V3): The ARTS-V3 program will procure advanced Surface-to-Air Missile (SAM) radar and Electronic Warfare (EW) threat systems replicating strategic/tactical threats at the fidelity necessary for 5th generation, and 5th generation plus, aircraft for multi-domain platform engagements. Additionally, this procurement includes range support infrastructure procurement necessary to communicate with, handle data, operate, train against, and establish maintenance capabilities needed by ranges to utilize ARTS-V3.

RADAR SIGNAL EMULATORS (RSE): The RSE program will procure advanced Surface-to-Air Missile (SAM) radar threat systems that can replicate multiple threats at the fidelity necessary for 5th generation and multi-domain training.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0207429F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p><b>COMMON ELECTRONIC ATTACK RECEIVER (CEAR MODS):</b> The CEAR MODS program replaces the obsolete Electronic Attack Receivers (EAR) on legacy threat systems such as the Unmanned Threat Emitter (UMTE), the Joint Threat Emitter (JTE), and the Miniature Multiple Threat Emitter System (Mini-MUTES). The CEAR MODS provide real-time and recorded electronic warfare feedback to Combat Air Force (CAF) aircrews, improving their survivability in anti-access/area denial combat environments.</p> <p><b>P6 COMBAT TRAINING SYSTEMS (P6CTS):</b> The P6 Combat Training System (P6CTS) provides instrumentation to train aircrews in air-to-air, air-to-ground, and ground-to-air combat under simulated combat conditions in any available airspace worldwide and eliminates the need to fly over highly instrumented ground ranges. The system used on-aircraft instrumentation (the P6 pod), communication links, and a ground station to support range safety, training execution, and aircrew debriefings. The system is in sustainment, with an estimated lifecycle through 2030+. Air Combat Command (ACC) has established a requirement for additional pods and related ground subsystem equipment to meet training requirements through that lifecycle.</p> <p><b>MODERNIZATION SYSTEMS:</b> This program procures modifications for multiple legacy Range Threat Systems (RTS) to extend their serviceable life. RTS efforts include Multiple Threat Emitter System (MUTES), Miniature Multiple Threat Emitter System (Mini-MUTES), Modular Threat Emitter (MTE) system, Tactical Radar Threat Generator (TRTG) system, Band Simulator (Band Sim), Unmanned Modular Threat Emitter (UMTE) system, Joint Threat Emitter (JTE) system throughout the combat training range enterprise. The program may procure depot stand-up tools such as software support workstations. Modernization Systems is currently pursuing replacement of obsolete Band Sim Control Vans with modern/sustainable digital shelters.</p> <p><b>JOINT THREAT EMITTER (JTE):</b> JTE is designed to train aircrews to survive in a combat environment against Surface-to-Air Missile (SAM) and Air Defense Artillery (ADA) threats. The JTE simulates a range of threat signals, in multiple emitter kits, which interact with the aircraft radar warning receiver and electronic countermeasure system to provide realistic EW training environments for aircrew. The JTE leverages Commercial-Off-The Shelf (COTS) where possible to provide digital signal generation and feedback across its range of threats. The JTE system uses a Command-and-Control Unit (C2U) to operate a Threat Emitter Unit (TEU) contributing to a realistic threat environment for 4th and 5th Generation aircraft. 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. The program procures new systems, retrofits fielded legacy JTE systems, and procures modifications for obsolete components of the fielded JTE fleet to extend their serviceable life.</p> <p><b>RANGE COMMUNICATIONS:</b> The Range Infrastructure Modernization Communication (RIMCOMM) program provides communication systems to connect various air defense threat radar systems on Air Force ranges to simulate an Integrated Air Defense System (IADS) and to provide blue force command and control for range operations. Infrastructure modernization includes replacing obsolete equipment, establishing a common infrastructure to support War Rooms and the Live Mission Operations Capability (LMOC) enabling improved mission debriefs and Live, Virtual, Constructive (LVC) aircrew training, and standardization of all training range communications systems to support LVC training missions. This program focuses on procurement of range communication infrastructure equipment, including fiber optic cabling, microwave, Ultra High Frequency (UHF), and Very High Frequency (VHF) radios and antennas, data links and repeater stations, power subsystems, control systems, Air Combat Training System (ACTS) ground systems, and cryptological equipment for unclassified and secure communications for all Combat Training Ranges, in addition to studies, analysis, and integration efforts for range command and control, LVC training, and enhanced debrief capabilities.</p> <p><b>RANGE EQUIPMENT:</b> This effort delivers range infrastructure and equipment in order to monitor and control an extended, realistic target environment for simulated ordnance delivery and provide scoring, feedback and debriefing to the aircrew. This effort includes, but is not limited to, the Joint Advanced Weapon Scoring System (JAWSS) program, which consists of Navy-developed scoring and feedback systems that provide weapon impact and laser spot scoring on bombing and gunnery ranges, EW threat subsystems such as noise and spoofing jammers and ground based laser countermeasures and directed lasers as well as radar and detection systems, data link connectivity, target shells, simulations and concealments, integrated air combat training instrumentation for range-less and tethered ground systems, and Range Safety Systems (RSS).</p> <p><b>LIVE MISSION OPERATIONS CAPABILITY (LMOC):</b> LMOC is an effort to modernize range control centers with common hardware and software that can support live- synthetic training missions. LMOC will provide a node-based enterprise that integrates all range system capabilities, including pre/post mission coordination, in a multi- level secure environment to enable blended live-synthetic training for 4th/5th generation aircraft and aircrew.</p> <p><b>ADVANCED DIGITAL ARRAY RADARS:</b> This effort to build up JPARC advanced digital array radars and infrastructure to deliver fully networked training ranges and training areas across Indo-Pacific to enhance joint service and foreign partners mission training capabilities.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> 0207429F	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Funding for this exhibit contained in PE 0207429F Combat Training Ranges and PE 0207604 Readiness Training Ranges Operations and Maintenance.		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 834190 / Combat Training Ranges  
**Equip / BSA 4:** Spcl Comm-Electronics Projects

**ID Code** (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** 0207429F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Combat Training Range Equipment		A		- / 0.000	- / 0.000	- / 0.000	- / 242.139	- / 0.000	- / 242.139
P-5	Advanced Radar Threat System V1		B		- / -	- / 111.523	- / -	- / 3.168	- / -	- / 3.168
P-5	Advanced Radar Threat System V2		B		- / 141.182	7 / 119.299	- / -	- / -	- / -	- / -
P-5	Modernization Systems		A		- / 5.768	1 / 5.211	- / -	- / -	- / -	- / -
P-5	Joint Threat Emitter		A		- / 2.909	- / 1.295	- / -	- / -	- / -	- / -
P-5	P6 Combat Training System	P-5a	B		- / -	3 / 2.460	- / -	- / 13.797	- / -	- / 13.797
P-5	Radar Signal Emulator	P-5a, P-21	A		- / -	- / 75.300	5 / 134.213	1 / 43.338	- / -	1 / 43.338
P-5	Range Equipment	P-5a, P-21	A		- / 67.088	- / 5.000	- / 5.000	- / 43.898	- / -	- / 43.898
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 216.947</b>	<b>- / 320.088</b>	<b>- / 139.213</b>	<b>- / 346.340</b>	<b>- / -</b>	<b>- / 346.340</b>

\*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 sum exactly due to rounding.

**Justification:**  
 This program, Advanced Digital Array Radars P-5, is a new start.

&lt;span style='font-family:Consolas,"Lucida Console","Courier New",Courier; font-weight:500; white-space: pre-wrap; &gt;ATRS-V1: FY24 funding is for government travel, to provide Program Support Contractor Services as well as Interim Contract Support and material shortage issues.

ARTS-V2: Due to Lockheed Martin's failure to meet program requirements on the Arts V2 system, the contract has been terminated for convenience. No further program funding is required.

Range Equipment & LMOC: FY24 funding supports, but is not limited to, the procurement of seven WarRoom hardware/software platforms.

P6CTS: FY24 funding procures eight P6CTS ground stations.

Radar Signal Emulator (RSE): FY24 funding is to procure one RSE for JPARC.

ADVANCED DIGITAL ARRAY RADARS: FY24 funding supports JPARC procurement of advanced digital array radars and equipment buildup to improve fiber optic and microwave range infrastructure critical to improving Air Domain training readiness.

The FY 2024 funding request was reduced by 1.504 million to account for the availability of prior year execution balances.

The FY2023 enacted budget includes 142,240 Pacific Deterrence Initiative (PDI) (PE 027429F) funding. The FY2024 budget requests \$289,460# thousand (\$47,800 thousand for PE 0207442F and \$241,660 for PE 0207604F) for PDI.&lt;/span&gt;

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Combat Training Range Equipment

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.000	0.000	242.139	0.000	242.139
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.000	0.000	242.139	0.000	242.139
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>242.139</b>	<b>0.000</b>	<b>242.139</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>	<b>Unit Cost</b> <i>(\$ M)</i>	<b>Qty</b> <i>(Each)</i>	<b>Total Cost</b> <i>(\$ M)</i>
<b>Hardware - Advanced Digital Array Radars Cost</b>																		
<b>Recurring Cost</b>																		
Range Equipment Upgrades	-	-	0.000	-	-	0.000	-	-	0.000	-	-	242.139	-	-	0.000	-	-	242.139
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	242.139	-	-	0.000	-	-	242.139
<i>Subtotal: Hardware - Advanced Digital Array Radars Cost</i>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	242.139	-	-	0.000	-	-	242.139
<b>Gross/Weapon System Cost</b>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	242.139	-	-	0.000	-	-	242.139

**Remarks:**

Advanced Digital Array Radar funding supports JPARC procurement of advanced digital array radars and equipment buildup to improve fiber optic and microwave range infrastructure critical to improving Air Domain training readiness.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges			<b>Item Number / Title [DODIC]:</b> Advanced Radar Threat System V1		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>MDAP/MAIS Code:</b>		
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	111.523	-	3.168	-	3.168
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	111.523	-	3.168	-	3.168
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	<b>111.523</b>	-	<b>3.168</b>	-	<b>3.168</b>
<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> )			-	-	11.273	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Advanced Radar Threat System V1 Cost</b>																		
Recurring Cost																		
Equipment-Radar System	-	-	37.985	2	75.970	-	-	-	-	-	-	-	-	-	-	-	-	-
Equipment -Surrogate Shell	-	-	0.637	2	1.274	-	-	-	-	-	-	-	-	-	-	-	-	-
Equipment- Software Support Station	-	-	1.500	1	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-
Production - Engineering Change Orders	-	-	-	-	20.744	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	99.488	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Advanced Radar Threat System V1 Cost</i>	-	-	-	-	99.488	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Logistics - Advanced Radar Threat System V1 Cost</b>																		
Non Recurring Cost																		
Airlift Shipment	-	-	-	-	1.007	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	1.007	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics - Advanced Radar Threat System V1 Cost</i>	-	-	-	-	1.007	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Advanced Radar Threat System V1 Cost</b>																		
Program Support Cost	-	-	-	-	-	0.383	-	-	-	-	-	-	0.100	-	-	-	-	0.100
Other Government Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date: March 2023</b>					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges						<b>Item Number / Title [DODIC]:</b> Advanced Radar Threat System V1					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 Support Cost Contractor Services	-	-	-	-	-	10.645	-	-	-	-	-	2.008	-	-	-	-	-	2.008
Interim Contract Support	-	-	-	-	-	-	-	-	-	-	-	1.060	-	-	-	-	-	1.060
<i>Subtotal: Support - Advanced Radar Threat System V1 Cost</i>	-	-	-	-	-	<b>11.028</b>	-	-	-	-	-	<b>3.168</b>	-	-	-	-	-	<b>3.168</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>111.523</b>	-	-	-	-	-	<b>3.168</b>	-	-	-	-	-	<b>3.168</b>

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Advanced Radar Threat System V2
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	7	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	141.182	119.299	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	141.182	119.299	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>141.182</b>	<b>119.299</b>	-	-	-	-

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

Initial Spares (\$ in Millions)	-	2.866	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	17.043	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Advanced Radar Threat System V2 Cost</b>																		
Recurring Cost																		
Equipment	16.888	7	118.214	16.244	7	113.708	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	118.214	-	-	113.708	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Advanced Radar Threat System V2 Cost</i>	-	-	<b>118.214</b>	-	-	<b>113.708</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Software - Advanced Radar Threat System V2 Cost</b>																		
Recurring Cost																		
Software Engineering Change Orders	-	-	8.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	8.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - Advanced Radar Threat System V2 Cost</i>	-	-	<b>8.600</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ancillary Equipment - Advanced Radar Threat System V2 Cost</b>																		
Non Recurring Cost																		
Production Support Equipment	-	-	3.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	3.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Ancillary Equipment - Advanced Radar Threat System V2 Cost</i>	-	-	<b>3.500</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges						<b>Item Number / Title [DODIC]:</b> Advanced Radar Threat System V2					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Advanced Radar Threat System V2 Cost																		
Program Support Costs Contractor Services	-	-	10.868	-	-	5.591	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Advanced Radar Threat System V2 Cost</i>	-	-	<b>10.868</b>	-	-	<b>5.591</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>141.182</b>	<b>17.043</b>	<b>7</b>	<b>119.299</b>	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Modernization Systems
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	1	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5.768	5.211	-	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5.768	5.211	-	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5.768</b>	<b>5.211</b>	-	-	-	-

*(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> )	-	5.211	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Control Shelter Cost</b>																		
Recurring Cost																		
Band Sim Control Shelter	5.599	1	5.599	4.500	1	4.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	5.599	-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Control Shelter Cost</i>	-	-	5.599	-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support - Band Sim Cost</b>																		
Program Support Costs - Contractor Services	-	-	0.169	-	-	0.711	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Band Sim Cost</i>	-	-	0.169	-	-	0.711	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	5.768	5.211	1	5.211	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Joint Threat Emitter
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	2.909	1.295	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	2.909	1.295	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>2.909</b>	<b>1.295</b>	-	-	-	-

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - JTE Cost																		
Program Support Costs (PSC) Contractor Services	-	-	1.880	-	-	1.285	-	-	-	-	-	-	-	-	-	-	-	-
PSC Other Government Costs	-	-	0.010	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-
Support	-	-	1.019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - JTE Cost</i>	-	-	<b>2.909</b>	-	-	<b>1.295</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>2.909</b>	-	-	<b>1.295</b>	-	-	-	-	-	-	-	-	-	-	-	-

**Remarks:**  
- Support includes but is not limited to Joint Threat Emitter (JTE) end item engineering change proposals, training, and travel

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> P6 Combat Training System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	3	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	2.460	-	13.797	-	13.797
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	2.460	-	13.797	-	13.797
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>2.460</b>	-	<b>13.797</b>	-	<b>13.797</b>

*(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)	-	0.820	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - P6 CTS GroundStation Cost</b>																		
Recurring Cost																		
Equipment (Lots) <sup>(†)</sup>	-	-	-	0.675	2	1.350	-	-	-	1.525	5	7.627	-	-	-	1.525	5	7.627
Procurement Spares (Lots)	-	-	-	0.160	1	0.160	-	-	-	1.220	1	1.220	-	-	-	1.220	1	1.220
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.510	-	-	-	-	-	8.847	-	-	-	-	-	8.847
<i>Subtotal: Hardware - P6 CTS GroundStation Cost</i>	-	-	-	-	-	1.510	-	-	-	-	-	8.847	-	-	-	-	-	8.847
<b>Support - P6 Combat Training System Cost</b>																		
Program Support Costs	-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Other Government Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Support Costs Contractor Services	-	-	-	-	-	0.950	-	-	-	-	-	4.850	-	-	-	-	-	4.850
<i>Subtotal: Support - P6 Combat Training System Cost</i>	-	-	-	-	-	0.950	-	-	-	-	-	4.950	-	-	-	-	-	4.950
<b>Gross/Weapon System Cost</b>	-	-	-	0.820	3	2.460	-	-	-	-	-	13.797	-	-	-	-	-	13.797

**Remarks:**

P6CTS: FY24 funding procures eight P6CTS ground stations.

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> P6 Combat Training System
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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
Equipment (Lots)		2022	Collins / Various	MIPR	NAVAIR	Sep 2023	Sep 2025	2	0.675	N	Aug 2023	
Equipment (Lots)		2024	Collins / Various	MIPR	NAVAIR	Sep 2024	Sep 2026	5	1.525	N	Sep 2023	

**Remarks:**  
P6CTS: FY24 funding procures eight P6CTS ground stations.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radar Signal Emulator

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	5	1	-	1
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	75.300	134.213	43.338	-	43.338
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	75.300	134.213	43.338	-	43.338
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>75.300</b>	<b>134.213</b>	<b>43.338</b>	-	<b>43.338</b>

*(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>	-	-	26.843	43.338	-	43.338

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Radar Signal Emulator Cost																		
Non Recurring Cost																		
Radar Emulator Upgrades	-	-	-	18.825	4	75.300	-	-	-	-	-	-	-	-	-	-	-	-
Radar Emulator Systems <sup>(t)</sup>	-	-	-	-	-	-	33.553	4	134.213	43.338	1	43.338	-	-	-	43.338	1	43.338
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	75.300	-	-	134.213	-	-	43.338	-	-	-	-	-	43.338
<i>Subtotal: Hardware - Radar Signal Emulator Cost</i>	-	-	-	-	-	75.300	-	-	134.213	-	-	43.338	-	-	-	-	-	43.338
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	75.300	26.843	5	134.213	43.338	1	43.338	-	-	-	43.338	1	43.338

**Remarks:**

Radar Signal Emulators will support Joint Pacific Alaska Range Complex and Nevada Test and Training Range.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radar Signal Emulator
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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
Radar Emulator Systems <sup>(†)</sup>		2023	CEA / Australia	SS / FFP	Redstone Arsenal, AL	Mar 2023	Nov 2025	4	33.553	Y		
Radar Emulator Systems <sup>(†)</sup>		2024	CEA / Australia	SS / FFP	Redstone Arsenal, AL	Feb 2024	Nov 2026	1	43.338	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radar Signal Emulator
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023														Fiscal Year 2024														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024																
							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							
Radar Emulator Systems																																					
1		2023	AF	4	0	4																														4	
		2024	AF	1	0	1																															1



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radar Signal Emulator
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025														Fiscal Year 2026														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025														Calendar Year 2026														
							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					
Radar Emulator Systems																																			
1	2023	AF		4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0						
1	2024	AF		1	0	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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radar Signal Emulator
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2027														Fiscal Year 2028														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	Calendar Year 2027														Calendar Year 2028														
							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					
Radar Emulator Systems																																			
	1	2023	AF	4	4	0																								0					
	1	2024	AF	1	0	1	-	1																						0					
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Radars Signal Emulator
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	CEA - Australia	1	1	5	4	5	33	38	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges			<b>Item Number / Title [DODIC]:</b> Range Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			67.088	5.000	5.000	43.898	-	43.898
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			67.088	5.000	5.000	43.898	-	43.898
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>67.088</b>	<b>5.000</b>	<b>5.000</b>	<b>43.898</b>	-	<b>43.898</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Range Equipment Cost</b>																		
Recurring Cost																		
Range Equipment Upgrades	-	-	67.088	-	-	0.000	-	-	-	-	-	32.981	-	-	-	-	-	32.981
LMOC - WarRoom <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.361	7	9.529	-	-	-	1.361	7	9.529
<i>Subtotal: Recurring Cost</i>	-	-	<i>67.088</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>42.510</i>	-	-	-	-	-	<i>42.510</i>
<i>Subtotal: Hardware - Range Equipment Cost</i>	-	-	<i>67.088</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>42.510</i>	-	-	-	-	-	<i>42.510</i>
<b>Software - Simplified Planning Execution Analysis and Reconstruction (SPEAR) Cost</b>																		
Non Recurring Cost																		
Range Software Upgrade	-	-	-	-	-	5.000	-	-	5.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	<i>5.000</i>	-	-	<i>5.000</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - Simplified Planning Execution Analysis and Reconstruction (SPEAR) Cost</i>	-	-	-	-	-	<i>5.000</i>	-	-	<i>5.000</i>	-	-	-	-	-	-	-	-	-
<b>Support - LMOC Cost</b>																		
LMOC Program Support Cost Contractor Services	-	-	-	-	-	-	-	-	-	-	-	1.213	-	-	-	-	-	1.213
LMOC Program Support Cost Other Government Costs	-	-	-	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date: March 2023</b>					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges						<b>Item Number / Title [DODIC]:</b> Range Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - LMOC Cost</i>	-	-	-	-	-	-	-	-	-	-	-	1.388	-	-	-	-	-	1.388
<b>Gross/Weapon System Cost</b>	-	-	67.088	-	-	5.000	-	-	5.000	-	-	43.898	-	-	-	-	-	43.898

**Remarks:**

- Range Equipment funding supports capabilities for 5th Generation aircraft training and readiness, sustainment and modernization of legacy and Operational Training Infrastructure Investments (i.e. Link-16 radios, communication pipes, etc.) and increased requirement to support advanced systems.

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Range Equipment
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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
LMOC - WarRoom <sup>(†)</sup>		2024	Georgia Tech Research Institute / Phoenix, AZ	C / IDIQ	AFLCMC Hill AFB	Jul 2024	Feb 2025	7	1.361	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Range Equipment
---	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025																	
							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								
LMOC - WarRoom																																						
	1	2024	AF		7	0	7															A	-	-	-	-	-	-	-	-	-	-	-	-	-	7		0
								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							

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834190 / Combat Training Ranges	<b>Item Number / Title [DODIC]:</b> Range Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Georgia Tech Research Institute - Phoenix, AZ	1	1	10	4	10	7	17	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**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): **Program Elements for Code B Items:** 0303131F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	295.212	65.326	52.501	84.102	-	84.102	108.512	67.338	0.010	0.010	0.000	673.011
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	295.212	65.326	52.501	84.102	-	84.102	108.512	67.338	0.010	0.010	0.000	673.011
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>295.212</b>	<b>65.326</b>	<b>52.501</b>	<b>84.102</b>	-	<b>84.102</b>	<b>108.512</b>	<b>67.338</b>	<b>0.010</b>	<b>0.010</b>	<b>0.000</b>	<b>673.011</b>

*(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 Minimum Essential Emergency Communications Network (MEECN) portfolio modernizes the systems necessary to effectively provide assured communications connectivity between the President and the strategic deterrence forces in stressed environments.

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 and Munitions Support Squadrons (MUNSS) and for Mobile Support Teams (MSTs). Global ASNT is a ground-based system that provides survivable, secure communication paths to receive Emergency Action Messages (EAMs), Force Management messages, and Force Direction messages and disseminates them to bomber, tanker, and reconnaissance aircrews.

Global ASNT is being fielded in separate capability increments.

Global ASNT 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 and Secure, Mobile, Anti-Jam, Reliable, Tactical - Terminal (SMART-T) equipment. FY15 was the first year of Increment 1 procurement funding to support pre-production activities. The majority of pre-production support activities were conducted in FY17 and FY18 in advance of the Milestone C decision in 3QFY19. Fielding of Global ASNT Inc 1 terminals commenced in 2QFY22.

Global ASNT Increment 2 will field an Aircrew Alerting System (AAS) consisting of personal and general alerting equipment, and High Frequency (HF) and Ultra High Frequency (UHF) capabilities. Increment 2 replaces inadequate, unsustainable Electromagnetic Pulse Hardened Dispersal Communication (EHDC) systems and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems.

RDT&E funding for the Global ASNT Increment 2 exhibit is contained in PE 0303131F.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects					<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> 0303131F			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A									

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / GASNTi1 (Capability Improvement)		A		- / 295.212	- / 65.326	- / 39.407	- / 43.342	- / 0.000	- / 43.342
P-3a	2 / GASNTi2 (Capability Improvement)		B		- / 0.000	- / 0.000	- / 13.094	- / 40.760	- / 0.000	- / 40.760
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 295.212</b>	<b>- / 65.326</b>	<b>- / 52.501</b>	<b>- / 84.102</b>	<b>- / -</b>	<b>- / 84.102</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / GASNTi1 (Capability Improvement)		A		- / 26.713	- / 12.769	- / 0.010	- / 0.010	- / 0.000	- / 482.789
P-3a	2 / GASNTi2 (Capability Improvement)		B		- / 81.799	- / 54.569	- / 0.000	- / 0.000	- / 0.000	- / 190.222
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 108.512</b>	<b>- / 67.338</b>	<b>- / 0.010</b>	<b>- / 0.010</b>	<b>- / 0.000</b>	<b>- / 673.011</b>

\*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 sum exactly due to rounding.

**Justification:**  
 Global ASNT Increment 1 funds support production activities including preparation and planning for depot standup, engineering activities, schedule preparation and planning, production configuration control, production roadmap activities, site installations, and Interim Contractor Support (ICS).  
  
 -FY24 funds will support installation, ICS, and Program Office activities including planning for depot standup, engineering activities, schedule preparation and planning, and production configuration and control. FY24 funds may be used to purchase necessary Electronic Security Systems (ESS) to provide Physical Security Level 3 (PL-3) protection for Global ASNT antennas. FY24 funds may also be used to support initial Security Classification Guide (SCG) implementation activities.  
  
 -This program has overarching diminishing manufacturing sources (DMS) requirements and as such may need to use procurement funding to address these requirements.  
  
 Global ASNT Increment 2 funds support production and deployment requirements including procurement, installation, and check-out of 22 non-High-Altitude Electromagnetic Pulse (HEMP) systems, 68 HEMP-hardened systems, and 22 HEMP Mod Kids to retrofit the non-HEMP systems; also included are hosting operator and maintainer training courses, site surveys in advance of installations, initial spares, ICS, Program Office support, Government test support, and Other Government Costs (OGC).  
  
 -FY24 funds will support procurement, installation, and check-out of non-HEMP systems; funds will also support change orders, hosting operator and maintainer training courses, site surveys in advance of installations, initial spares, ICS, Program Office Support, Government Test Support, and OGC.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 1 / GASNTi1

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	295.212	65.326	39.407	43.342	0.000	43.342	26.713	12.769	0.010	0.010	0.000	482.789
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	295.212	65.326	39.407	43.342	0.000	43.342	26.713	12.769	0.010	0.010	0.000	482.789
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>295.212</b>	<b>65.326</b>	<b>39.407</b>	<b>43.342</b>	<b>0.000</b>	<b>43.342</b>	<b>26.713</b>	<b>12.769</b>	<b>0.010</b>	<b>0.010</b>	<b>0.000</b>	<b>482.789</b>

*(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 Minimum Essential Emergency Communications Network (MEECN) portfolio modernizes the systems necessary to effectively provide assured communications connectivity between the President and the strategic deterrence forces in stressed environments.

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 and 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), Force Management messages, and Force Direction messages and disseminate them to bomber, tanker, and reconnaissance aircrews.

Global ASNT is being fielded in separate capability increments.

Global ASNT 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 and Secure, Mobile, Anti-Jam, Reliable, Tactical - Terminal (SMART-T) equipment. FY15 was the first year of Increment 1 procurement funding to support pre-production activities. The majority of pre-production support activities were conducted in FY17 and FY18 in advance of the Milestone C decision in 3QFY19. Fielding of Global ASNT Inc 1 terminals commenced in 2QFY22. This will complete the 2 production year lots. Production year 1 (FY19) was 48 terminals and Production year 2 (FY20) was 42 terminals for a total of 90 terminals.

Global ASNT Increment 1 funds support production activities including preparation and planning for depot standup, engineering activities, schedule preparation and planning, production configuration control, production roadmap activities, site installations, and Interim Contractor Support (ICS).

FY24 funds will support installation, ICS, and Program Office activities including planning for depot standup, engineering activities, schedule preparation and planning, and production configuration and control. FY24 funds may be used to purchase necessary Electronic Security Systems (ESS) to provide Physical Security Level 3 (PL-3) protection for Global ASNT antennas. FY24 funds may also be used to support initial Security Classification Guide (SCG) implementation activities.

This program has overarching diminishing manufacturing sources (DMS) requirements and as such may need to use procurement funding to address these requirements.

Milestone/Development Status

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 1 / GASNTi1
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
Development complete. Full Rate Production in process. Fielding of terminals commenced in 2QFY22.		

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4					<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N					<b>Modification Number / Title:</b> 1 / GASNTi1			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> GASNTi1				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 2: GASNTi1 Fixed</i>													
A Kits													
Recurring													
GASNTi1 Fixed:INSTALL KITS Group A (Active)													
	- / 3.554	30 / 13.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 17.113	
<i>Subtotal: Recurring</i>													
	- / 3.554	- / 13.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.113	
B Kits													
Recurring													
GASNTi1 Fixed:EQUIPMENT Group B (Active)													
	43 / 123.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 123.930	
<i>Subtotal: Recurring</i>													
	- / 123.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 123.930	
<i>Subtotal: GASNTi1 Fixed</i>													
	- / 127.484	- / 13.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 141.043	
<i>Modification Item 2 of 2: GASNTi1 Transportable</i>													
B Kits													
Recurring													
GASNTi1 Transportable:EQUIPMENT Group B (Active)													
	47 / 135.648	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 135.648	
<i>Subtotal: Recurring</i>													
	- / 135.648	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 135.648	
<i>Subtotal: GASNTi1 Transportable</i>													
	- / 135.648	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 135.648	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / 263.132	- / 13.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 276.691	
<b>Support (All Modification Items)</b>													
A&AS													
	- / 11.679	- / 3.838	- / 6.024	- / 3.464	- / -	- / 3.464	- / 2.336	- / 1.727	- / -	- / -	- / -	- / 29.068	
ICS-Labor													
	- / 19.832	- / 20.120	- / 16.899	- / 22.429	- / -	- / 22.429	- / 19.390	- / 5.499	- / 0.010	- / 0.010	- / -	- / 104.189	
S/W Depot Standup													
	- / -	- / 21.680	- / 8.312	- / 11.320	- / -	- / 11.320	- / 4.987	- / 5.543	- / -	- / -	- / -	- / 51.842	
<i>Subtotal: Support</i>													
	- / 31.511	- / 45.638	- / 31.235	- / 37.213	- / -	- / 37.213	- / 26.713	- / 12.769	- / 0.010	- / 0.010	- / -	- / 185.099	
<b>Installation</b>													
<i>Modification Item 1 of 2: GASNTi1 Fixed</i>													
	0 / 0.000	13 / 3.632	21 / 3.405	9 / 2.724	- / -	9 / 2.724	- / -	- / -	- / -	- / -	- / -	43 / 9.761	
<i>Modification Item 2 of 2: GASNTi1 Transportable</i>													
	0 / 0.569	13 / 2.497	20 / 4.767	14 / 3.405	- / -	14 / 3.405	- / -	- / -	- / -	- / -	- / -	47 / 11.238	
<i>Subtotal: Installation</i>													
	0 / 0.569	26 / 6.129	41 / 8.172	23 / 6.129	- / -	23 / 6.129	- / -	- / -	- / -	- / -	- / -	90 / 20.999	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>													
	295.212	65.326	39.407	43.342	0.000	43.342	26.713	12.769	0.010	0.010	0.000	482.789	

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 1 / GASNTI1
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Modification Item 1 of 2:** GASNTI1 Fixed

**Manufacturer Information**

Manufacturer Name: Raytheon	Manufacturer Location: Largo, FL
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 16

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	0 / 0.000	13 / 3.632	21 / 3.405	9 / 2.724	- / -	9 / 2.724	- / -	- / -	- / -	- / -	- / -	43 / 9.761
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	0 / 0.000	13 / 3.632	21 / 3.405	9 / 2.724	- / -	9 / 2.724	- / -	- / -	- / -	- / -	- / -	43 / 9.761

**Installation Schedule**

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	0	4	4	5	5	3	7	6	6	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	43	
Out	0	0	4	4	5	5	3	7	6	6	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	43		

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 1 / GASNTI1
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Modification Item 2 of 2:** GASNTI1 Transportable

**Manufacturer Information**

Manufacturer Name: Raytheon	Manufacturer Location: Largo, FL
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 16

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates							
Delivery Dates							

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	0 / 0.569	13 / 2.497	20 / 4.767	14 / 3.405	- / -	14 / 3.405	- / -	- / -	- / -	- / -	- / -	47 / 11.238
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	0 / 0.569	13 / 2.497	20 / 4.767	14 / 3.405	- / -	14 / 3.405	- / -	- / -	- / -	- / -	- / -	47 / 11.238

**Installation Schedule**

PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	0	4	2	7	5	5	5	5	5	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	47	
Out	0	0	4	2	7	5	5	5	5	5	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	47	

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 2 / GASNTi2

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.000	13.094	40.760	0.000	40.760	81.799	54.569	0.000	0.000	0.000	190.222
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.000	13.094	40.760	0.000	40.760	81.799	54.569	0.000	0.000	0.000	190.222
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>0.000</b>	<b>13.094</b>	<b>40.760</b>	<b>0.000</b>	<b>40.760</b>	<b>81.799</b>	<b>54.569</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>190.222</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Minimum Essential Emergency Communications Network (MEECN) portfolio modernizes the systems necessary to effectively provide assured communications connectivity between the President and the strategic deterrence forces in stressed environments.

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 and 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), Force Management messages, and Force Direction messages and disseminate them to bomber, tanker, and reconnaissance aircrews.

Global ASNT is being fielded in separate capability increments.

Global ASNT Increment 2 delivers an Aircrew Alerting System (AAS) consisting of personal and general alerting equipment, and High Frequency (HF) and Ultra High Frequency (UHF) capabilities. Increment 2 replaces inadequate, unsustainable Electromagnetic Pulse Hardened Dispersal Communication (EHDC) systems and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems.

RDT&E funding for this exhibit is contained in PE 0303131F.

**Milestone/Development Status**

FY23 and out production and deployment (P&D) requirements include procurement, installation, and check-out of 22 non-High-Altitude Electromagnetic Pulse (HEMP) systems, 68 HEMP-hardened systems, and 22 HEMP Mod Kits to retrofit the non-HEMP systems; also included are hosting operator and maintainer training courses, site surveys in advance of installations, initial spares, Interim Contractor Support (ICS), Program Office Support, Government Test Support, Other Government Costs (OGC) and initial Security Classification Guide (SCG) implementation activities.



**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4					<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N					<b>Modification Number / Title:</b> 2 / GASNTi2			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> GASNTi2				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0303131F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>RDT&amp;E PE #</b>													
0303131F	- / -	- / -	- / 19.382	- / 3.000	- / -	- / 3.000	- / -	- / -	- / -	- / -	- / -	- / 22.382	
<b>Procurement</b>													
<b>Modification Item 1 of 2: HEMP</b>													
A Kits													
Recurring													
HEMP:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 12.298	- / -	- / -	- / -	22 / 12.298	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.298	- / -	- / -	- / -	- / 12.298	
B Kits													
Recurring													
HEMP:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	10 / 11.092	- / -	10 / 11.092	48 / 54.571	10 / 11.741	- / -	- / -	- / -	68 / 77.404	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / 11.092	- / -	- / 11.092	- / 54.571	- / 11.741	- / -	- / -	- / -	- / 77.404	
<i>Subtotal: HEMP</i>													
	- / -	- / -	- / -	- / 11.092	- / -	- / 11.092	- / 54.571	- / 24.039	- / -	- / -	- / -	- / 89.702	
<b>Modification Item 2 of 2: Non-HEMP</b>													
B Kits													
Recurring													
Non-HEMP:EQUIPMENT Group B (Active)													
	- / -	- / -	6 / 5.428	16 / 11.075	- / -	16 / 11.075	- / -	- / -	- / -	- / -	- / -	22 / 16.503	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / 5.428	- / 11.075	- / -	- / 11.075	- / -	- / -	- / -	- / -	- / -	- / 16.503	
<i>Subtotal: Non-HEMP</i>													
	- / -	- / -	- / 5.428	- / 11.075	- / -	- / 11.075	- / -	- / -	- / -	- / -	- / -	- / 16.503	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / -	- / 5.428	- / 22.167	- / -	- / 22.167	- / 54.571	- / 24.039	- / -	- / -	- / -	- / 106.205	
<b>Support (All Modification Items)</b>													
Change Orders													
	- / -	- / -	- / 2.476	- / 0.288	- / -	- / 0.288	- / 3.421	- / 7.951	- / -	- / -	- / -	- / 14.136	
A&AS													
	- / -	- / -	- / 0.804	- / 1.558	- / -	- / 1.558	- / 1.617	- / 1.086	- / -	- / -	- / -	- / 5.065	
FFRDC													
	- / -	- / -	- / 1.052	- / 2.470	- / -	- / 2.470	- / 2.398	- / 1.303	- / -	- / -	- / -	- / 7.223	
Depot Activation													
	- / -	- / -	- / 0.375	- / 1.431	- / -	- / 1.431	- / 3.618	- / 0.917	- / -	- / -	- / -	- / 6.341	
ICS Labor													
	- / -	- / -	- / -	- / 2.833	- / -	- / 2.833	- / 5.725	- / 5.826	- / -	- / -	- / -	- / 14.384	
PMA - Contractor Services													
	- / -	- / -	- / 0.445	- / 1.494	- / -	- / 1.494	- / 2.235	- / 1.568	- / -	- / -	- / -	- / 5.742	
Type I Training													
	- / -	- / -	- / 0.065	- / 1.277	- / -	- / 1.277	- / 1.943	- / 1.930	- / -	- / -	- / -	- / 5.215	
Prime Contractor Site Surveys													
	- / -	- / -	- / 1.505	- / 2.336	- / -	- / 2.336	- / -	- / -	- / -	- / -	- / -	- / 3.841	
Prime Contractor ODCs													
	- / -	- / -	- / -	- / 1.757	- / -	- / 1.757	- / 1.254	- / 3.922	- / -	- / -	- / -	- / 6.933	
<i>Subtotal: Support</i>													
	- / -	- / -	- / 6.722	- / 15.444	- / -	- / 15.444	- / 22.211	- / 24.503	- / -	- / -	- / -	- / 68.880	
<b>Installation</b>													

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834210 / Minimum Essential Emergency Comm N **Modification Number / Title:** 2 / GASNTi2

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

**Models of Systems Affected:** GASNTi2 **Modification Type:** Capability Improvement **Related RDT&E PEs:** 0303131F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Modification Item 1 of 2:</i> HEMP	- / -	- / -	- / -	- / -	- / -	- / -	34 / 5.017	34 / 6.027	- / -	- / -	- / -	68 / 11.044
<i>Modification Item 2 of 2:</i> Non-HEMP	- / -	- / -	6 / 0.944	16 / 3.149	- / -	16 / 3.149	- / -	- / -	- / -	- / -	- / -	22 / 4.093
<i>Subtotal: Installation</i>	- / -	- / -	6 / 0.944	16 / 3.149	- / -	16 / 3.149	34 / 5.017	34 / 6.027	- / -	- / -	- / -	90 / 15.137
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>0.000</b>	<b>0.000</b>	<b>13.094</b>	<b>40.760</b>	<b>0.000</b>	<b>40.760</b>	<b>81.799</b>	<b>54.569</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>190.222</b>

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 2 / GASNTi2
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

**Modification Item 1 of 2:** HEMP

**Manufacturer Information**

Manufacturer Name: General Dynamic Mission Systems Manufacturer Location: Taunton, MA

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 5

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jun 2024	Nov 2024	Nov 2025		
Delivery Dates			Nov 2024	Apr 2025	Apr 2026		

**Installation Information**

**Method of Implementation:** Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.476	- / -	- / -	- / -	- / -	10 / 1.476
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	24 / 3.541	24 / 4.254	- / -	- / -	- / -	48 / 7.795
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.773	- / -	- / -	- / -	10 / 1.773
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	- / -	- / -	- / -	- / -	34 / 5.017	34 / 6.027	- / -	- / -	- / -	68 / 11.044

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	-	-	-	-	-	-	-	-	-	10	12	12	12	12	10	-	-	-	-	-	-	-	-	-	-	0	68
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	10	12	12	12	12	10	-	-	-	-	-	-	-	-	-	-	0	68

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834210 / Minimum Essential Emergency Comm N	<b>Modification Number / Title:</b> 2 / GASNTi2
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

**Modification Item 2 of 2:** Non-HEMP

**Manufacturer Information**

Manufacturer Name: General Dynamic Mission Systems				Manufacturer Location: Taunton, MA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 5			
Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates		Mar 2023	Nov 2023				
Delivery Dates		Aug 2023	Apr 2024				

**Installation Information**

**Method of Implementation:** Contractor Facility

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	6 / 0.944	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.944
FY 2024	- / -	- / -	- / -	16 / 3.149	- / -	16 / 3.149	- / -	- / -	- / -	- / -	- / -	16 / 3.149
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	6 / 0.944	16 / 3.149	- / -	16 / 3.149	- / -	- / -	- / -	- / -	- / -	22 / 4.093

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	-	-	-	6	-	-	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	22
Out	0	-	-	-	-	-	-	-	6	-	-	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	22

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:**  
834240 / Wide Area Surveillance (WAS)

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604445F **Other Related Program Elements:** 0604445F

**Line Item MDAP/MAIS Code:** 519

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	34.863	29.150	11.594	-	11.594	8.503	8.281	8.279	0.076	243.071	343.817
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	34.863	29.150	11.594	-	11.594	8.503	8.281	8.279	0.076	243.071	343.817
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>34.863</b>	<b>29.150</b>	<b>11.594</b>	-	<b>11.594</b>	<b>8.503</b>	<b>8.281</b>	<b>8.279</b>	<b>0.076</b>	<b>243.071</b>	<b>343.817</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	0.013	5.059	5.440	-	5.440	5.519	5.684	5.809	5.925	-	33.449
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Wide Area Surveillance (WAS) program provides homeland defense sensors to North American Aerospace Defense Command/US Northern Command (NORAD/USNORTHCOM) for the National Capital Region (NCR).

WAS consists of two advanced sensor systems, the Stateside Affordable Radar System (STARS) and Scorpion, incorporated into a single WAS System. Based upon existing technological capabilities, WAS detects/tracks low, slow and other asymmetrical threats in the airspace and meets the user needs of sensing stressing airborne targets in complex environments with affordable sensors. The sensor outputs are incorporated into the Battle Control Systems-Fixed (BCS-F) air picture and utilized as the NORAD/USNORTHCOM Command and Control (C2) air surveillance system of record.

The WAS strategy is an acquisition approach for full capability to produce and field highly capable and sustainable advanced sensors in the NCR. In FY24, the Air Force plans to award and exercise WAS Production Contract options for both STARS and Scorpion systems, as well as perform a technical refresh of fielded sites. In FY24, the Air Force continues to procure initial spares, replenishment spares, and repair parts.

Funding for this exhibit is contained in PE 0604445F, Wide Area Surveillance.

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D

Some aspects of the WAS program are classified and information will be provided on a need-to-know basis.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 834240 / Wide Area Surveillance (WAS)

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604445F **Other Related Program Elements:** 0604445F

**Line Item MDAP/MAIS Code:** 519

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Wide Area Surveillance	P-5a, P-21	B		- / -	- / 34.863	- / 29.150	- / 11.594	- / -	- / 11.594
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 34.863</b>	<b>- / 29.150</b>	<b>- / 11.594</b>	<b>- / -</b>	<b>- / 11.594</b>

\*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 sum exactly due to rounding.

**Justification:**

- FY24 funds will include, but are not limited to:
- Procure, produce and field operational Scorpion sensors
  - Maintain system infrastructure such as a system integrated lab and system health and monitoring centralized data processing capability to support operations and support activities in accordance with NORAD/USNORTHCOM. Funds will support technical refresh of fielded sites.
  - Hardware and software upgrades to seamlessly integrate new and emerging sensors, data, and technologies, such as updated configurations of existing sites to match the modified baseline, and hardware to maintain the mandated cyber security posture and Authority to Operate (ATO) requirements. Funds will procure end items and spares that do not qualify for Centralized Asset Management (CAM) funding.
  - Program and direct mission support providing management, engineering, cost and technical support for the program office.
  - Support potential diminishing manufacturing sources, material shortages, obsolescence solutions, sparing, and recapitalization to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.
  - Some key components of each WAS site require significant lead time items.

Request Technical adjustment of \$5.440M from P-74 OPAF Spares and Repair Parts. Adjustment realigns funding from the WAS Spares and Repair Parts OPAF line number P-74 to the WAS OPAF line number P-37. This funding supports site procurement, high priority site lease payments, network support, site security, and program office support. Funding is no longer required for initial spares as the program has fulfilled its initial sparing posture.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834240 / Wide Area Surveillance (WAS)	<b>Item Number / Title [DODIC]:</b> Wide Area Surveillance
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	34.863	29.150	11.594	-	11.594
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	34.863	29.150	11.594	-	11.594
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>34.863</b>	<b>29.150</b>	<b>11.594</b>	-	<b>11.594</b>

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

Initial Spares (\$ in Millions)	-	0.013	5.059	5.440	-	5.440
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Wide Area Surveillance Cost</b>																		
Recurring Cost																		
Prime <sup>(†)</sup> (1)	-	-	-	1.838	15	27.563	1.731	13	22.500	1.824	4	7.295	-	-	-	1.824	4	7.295
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	27.563	-	-	22.500	-	-	7.295	-	-	-	-	-	7.295
Non Recurring Cost																		
Prime ICS	-	-	-	-	-	0.074	-	-	0.247	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.074	-	-	0.247	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Wide Area Surveillance Cost</i>	-	-	-	-	-	27.637	-	-	22.747	-	-	7.295	-	-	-	-	-	7.295
<b>Support - Wide Area Surveillance Cost</b>																		
DMS Support	-	-	-	-	-	2.291	-	-	3.672	-	-	2.000	-	-	-	-	-	2.000
A&AS	-	-	-	-	-	4.935	-	-	2.731	-	-	2.299	-	-	-	-	-	2.299
<i>Subtotal: Support - Wide Area Surveillance Cost</i>	-	-	-	-	-	7.226	-	-	6.403	-	-	4.299	-	-	-	-	-	4.299
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	34.863	-	-	29.150	-	-	11.594	-	-	-	-	-	11.594

(†) indicates the presence of a P-5a

**Footnotes:**

(1) DMS efforts include Production site lease payments, network support, site security guards and some facility support tasks

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834240 / Wide Area Surveillance (WAS)	<b>Item Number / Title [DODIC]:</b> Wide Area Surveillance
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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
Prime <sup>(†)</sup>		2022	Leidos / Various	C / Various	AFLCMC Hanscom AFB	Mar 2022	Feb 2024	15	1.838	N	Jan 2022	
Prime <sup>(†)</sup>		2023	Leidos / Various	SS / IDIQ	AFLCMC Hanscom AFB	Nov 2022	Jan 2025	13	1.731	N	Oct 2022	
Prime <sup>(†)</sup>		2024	Leidos / Various	SS / IDIQ	AFLCMC Hanscom AFB	Nov 2023	Sep 2025	4	1.824	N	Oct 2023	

<sup>(†)</sup> indicates the presence of a P-21





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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834240 / Wide Area Surveillance (WAS) **Item Number / Title [DODIC]:** Wide Area Surveillance

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Prime <sup>(1)</sup>																															
1		2022	AF	15	0	15	-	-	-	-	3	-	3	-	3	-	-	3	-	-	3									0	
1		2023	AF	13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	4	-	3		0		
1		2024	AF	4	0	4		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834240 / Wide Area Surveillance (WAS)				<b>Item Number / Title [DODIC]:</b> Wide Area Surveillance				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Leidos - Various			40	0	2	22	24	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	119.635	137.353	148.818	-	148.818	87.225	61.650	72.911	94.118	-	721.710
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	119.635	137.353	148.818	-	148.818	87.225	61.650	72.911	94.118	-	721.710
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>119.635</b>	<b>137.353</b>	<b>148.818</b>	-	<b>148.818</b>	<b>87.225</b>	<b>61.650</b>	<b>72.911</b>	<b>94.118</b>	-	<b>721.710</b>

*(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:**

PE 0208064F Operational HQ-Cyber/Cyberspace Command and Control Mission System (C3MS)

Provides the AFCYBER Commander with hardware and software tools necessary to effectively and efficiently plan, monitor, and execute missions in the cyber and Information Warfare domains. This includes development and dissemination of Cyberspace Tasking Orders to ensure commander's intent is supported through the application of cyber forces using the latest intelligence. C3MS provides a common operational picture to maintain cyberspace threat activities and integrates cyberspace indications and warnings, analysis, and other actionable intelligence products into overall situational awareness, planning, and execution.

The FY24 funding request was reduced by \$18.268 million to account for the availability of prior year execution balances. Funding for this exhibit contained in PE 0208064F.

PE 0208087F AF Distributed Cyber Warfare Operations (DCWO)

Provides for the innovation, test, support and deployment of Cyberspace solutions in the form of material and non-material Cyberspace platforms, access, and payloads for USAF Offensive Cyberspace Operations (OCO) to include but not limited to USAF OCO units, COCOMs, and other authorized agencies. Funding procures specialized hardware and software necessary for real-time deployment, exploit identification, tool development and testing in an environment simulating real-world operational infrastructures and enclaves. Funding for this exhibit contained in PE 0208087F.

PE 0208088F AF Defensive Cyberspace Operations (DCO)

Provides modernized, modular hardware and software for the cyber defense of the USAF enterprise supporting the fielding of equipment to high priority bases. Operational users of this capability include Cyber Security Service Provider network defenders and Mission Defense Teams (MDTs). The capabilities provided will protect USAF networks and systems at multiple classification levels and be configurable in mobile and fixed configurations. Funding provides both hardware and software essential to protecting DoD network enclaves weapon systems and control systems, and associated computer systems, software applications, and sensitive operational information against unauthorized intrusion, corruption, and/or destruction. Funding in this exhibit contained in PE 0208088F.

PE 0208099F Unified Platform (UP)

Procures capabilities to provide the Cyber Mission Forces (CMFs), U.S. Cyber Command (USCYBERCOM), and AF Major Commands a Joint cyber operations infrastructure capable of mission planning, data analytics, and decision support for the execution of full-spectrum cyberspace operations through tactical levels of warfare. Funds procure hardware necessary for the effective deployment of operational capability to the CMFs. This is a joint program with the Air Force as the lead service. Funding in this exhibit contained in PE 0208099F.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0303166F Joint Information Operations Range (JIOR) The Joint Information Operations Range (JIOR) provides DoD with a closed-loop network that forms a global live-fire information operations range complex. JIOR uses encrypted tunneling over existing transport networks to conduct mission rehearsal, training, testing, concept development and experimentation in support of Information Operations (IO), Electronic Warfare (EW), Offensive Cyber Operations (OCO), Defensive Cyber Operations (DCO), Spectrum Warfare, Space Operations, and Special Operations Forces mission areas in a realistic threat representative environment. JIOR provides the capability to train and certify Cyber Mission Forces on the full spectrum of cyber weapons/capabilities without risk of observation or fratricide. JIOR integrates available cyberspace ranges with the training/test audience providing access to low density/high demand test and training resources including critical infrastructure, cyber targets, internet traffic, and opposing forces. JIOR supports Presidential policy and CJCS mandates for training, certification, and recertification of 6000+ cyber mission forces and DoD/Interagency cyber vulnerability assessments. C/S/A's conduct hundreds of mission rehearsal, training, testing, and experimentation events on the JIOR annually. Funding for this exhibit contained in PE 0303166F.</p> <p>PE 0306250F Cyber Operations Technology Development Provides Cyber National Mission Force (CNMF) Cyber Protection Teams (CPT) with a self-contained capability to conduct a full range of survey, secure, and protect missions that prepare local cyberspace defenders to sustain an advanced cyberspace defense posture and to defend the supported commander's critical assets. Hardware and software solutions support the USCYBERCOM mission to deter or defeat strategic threats to US interests and infrastructure, provide mission assurance for the operations and defense of the Department of Defense. Some aspects of the effort are classified and will be provided on a need-to-know basis. Funding for this exhibit contained in PE 0306250F.</p> <p>PE 0804762F Cyberspace Training Provides for Cyberspace solutions in the form of material and non-material Cyberspace training platforms, threat-representative networks, mission-relevant cyber terrain, and multi-domain architecture to support initial/mission qualification training and exercises for USAF and Joint cyber operations organizations including, but not limited to, USAF Offensive Cyber Operations units, Defensive Cyber Operations units, Mission Defense Teams, the Cyber Mission Forces, Combatant Commands, and other authorized agencies. Funding procures hardware, software, and other training tools supporting individual and collective offensive and defensive cyber operator training, Service and Joint training exercises, and combat mission rehearsals. Solutions include rapidly evolving environments simulating real-world operational infrastructures and enclaves, operated by the USAF test, training, and range squadrons under Air Combat Command.</p> <p>The FY24 funding request was reduced by \$21.572 million to account for the availability of prior year execution balances. Funding for this exhibit contained in PE 0804762F.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	OPERATIONAL HQ - CYBER	P-5a, P-21	A		- / -	- / 4.882	- / 8.417	- / 0.000	- / -	- / 0.000
P-5	Distributed Cyber Warfare Operations	P-5a, P-21	A		- / -	- / 16.848	- / 29.051	- / 30.671	- / -	- / 30.671
P-5	AF Defensive Cyberspace Operations	P-5a, P-21	A		- / -	- / 77.275	- / 82.029	- / 89.455	- / -	- / 89.455
P-5	Unified Platform (UP)	P-5a, P-21	A		- / -	- / 4.904	- / 5.013	- / 0.000	- / -	- / 0.000
P-5	Support to Information Operations (IO) Capabilities	P-5a, P-21	A		- / -	- / 1.226	- / 1.160	- / 1.178	- / -	- / 1.178
P-5	Cyber Operations Technology Support	P-5a, P-21	A		- / -	13 / 9.881	5 / 3.808	- / 0.000	- / -	- / 0.000
P-5	Cyberspace Training	P-5a, P-21	A		- / -	- / 4.619	- / 7.875	- / 27.514	- / -	- / 27.514
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 119.635	- / 137.353	- / 148.818	- / -	- / 148.818

\*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 sum exactly due to rounding.

**Justification:**  
PE 0208064F Operational HQ-Cyber/Cyberspace Command and Control Mission System (C3MS)  
No FY24 funding requested. All actions for C3MS completed in FY23.

PE 0208087F AF Distributed Cyber Warfare Operations (DCWO)  
Funding will procure additional instances of platforms, accesses, and payloads in the DCWO portfolio. In FY24, a portion of funding for procurement of cyber weapon systems have been moved to the Defense-wide PE 0306250JCY Cyber Operations Technology Support, which was created to satisfy FY22 NDAA, Section 1507 requirements. FY24 funding continues investment in additional hardware and software and recapitalization for various systems.

PE 0208088F AF Defensive Cyberspace Operations (DCO)  
Funding supports USAF networks and systems at multiple classification levels by providing equipment in mobile and fixed configurations to protect and defend AF networks against attacks from the pacing challenge identified in the 2022 National Security Strategy. Funding provides both hardware and software essential to protecting DoD network enclaves weapon systems and control systems, and associated computer systems, software applications, and sensitive operational information against unauthorized intrusion, corruption, and/or destruction. All hardware, software, fielding, integration, documentation, information assurance, and engineering/program management costs required for deployment are funded in this line.

PE 0208099F Unified Platform (UP)  
No FY24 funding requested. FY24+ procurement funding was transferred to USCYBERCOM Line Item CY01 (Cyberspace Operations), project Data and Unified Platform. FY24+ funding requirements can be found in the Defense-wide PE 0208099JCY (Unified Platform), which was created to satisfy FY22 NDAA, Section 1507 requirements.

PE 0303166F Joint Information Operation Requirement (JIOR)  
Planned equipment and software modernization enable the JIOR to extend service to 20 new sites while continuing support to the over 200 existing JIOR access points. Equipment will be procured annually for upgrades and new sites. Funding for this exhibit contained in PE 0303166F.

PE 0306250F Cyber Operations Technology Development

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>No FY24 funding requested. FY24+ procurement funding was transferred to USCYBERCOM Line Item CY01 (Cyberspace Operations), project Robust Infrastructure and Access. FY24+ funding requirements can be found in the Defense-wide PE 0306250JCY (Cyber Operations Technology Support), which was created to satisfy SECDEF requirements to transfer combatant command support agent responsibilities from the Air Force to the Army.</p> <p>PE 0804762F Cyberspace Training Funding procures student mission training systems (hardware, software, infrastructure, and facility modifications) supporting Information and Cyber Operations training needs. FY24 funding continues investment to provide additional hardware and software supporting training capacity increases to meet Cyber Mission Force (CMF) required pipeline from 2200 to approximately 2550 students/year. Includes essential training infrastructure suite consisting of switches, servers, storage, and software licenses for 5 additional virtual classrooms. Funding for this exhibit contained in PE 0804762F.</p>		



**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> OPERATIONAL HQ - CYBER
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	4.882	8.417	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	4.882	8.417	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>4.882</b>	<b>8.417</b>	<b>0.000</b>	-	<b>0.000</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Operational HQ - Cyber Cost																		
Recurring Cost																		
HARDWARE AND COMMERCIAL OFF-THE-SHELF SOFTWARE <sup>(t)</sup>	-	-	-	3.234	1	3.234	7.612	1	7.612	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.234	-	-	7.612	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Operational HQ - Cyber Cost</i>	-	-	-	-	-	3.234	-	-	7.612	-	-	0.000	-	-	-	-	-	0.000
Support - Operational HQ - Cyber Cost																		
Program Support Costs (PSC)	-	-	-	-	-	1.648	-	-	0.805	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Operational HQ - Cyber Cost</i>	-	-	-	-	-	1.648	-	-	0.805	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>4.882</b>	-	-	<b>8.417</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> OPERATIONAL HQ - CYBER
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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
HARDWARE AND COMMERCIAL OFF-THE-SHELF SOFTWARE <sup>(†)</sup>		2022	Multiple / Various	PO	AFLCMC/HN	Feb 2022	Mar 2022	1	3.234	Y		
HARDWARE AND COMMERCIAL OFF-THE-SHELF SOFTWARE <sup>(†)</sup>		2023	Multiple / Various	PO	AFLCMC/HN	Mar 2023	Jun 2023	1	7.612	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> OPERATIONAL HQ - CYBER
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022												Fiscal Year 2023												BALANCE			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023															
							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				
HARDWARE AND COMMERCIAL OFF-THE-SHELF SOFTWARE																																		
	1	2022	AF	1	0	1												A -		1													0	
	1	2023	AF	1	0	1																							A -	-	-	1		0
							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				

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
		<b>Item Number / Title [DODIC]:</b> OPERATIONAL HQ - CYBER

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Multiple - Various	1	1	1	0	0	0	0	0	1	6	3	9

**Remarks:**  
Note: MSR, ECON, and MAX are Not Applicable. Items procured are Commercial Off The Shelf (COTS).

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Distributed Cyber Warfare Operations

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	16.848	29.051	30.671	-	30.671
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	16.848	29.051	30.671	-	30.671
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>16.848</b>	<b>29.051</b>	<b>30.671</b>	-	<b>30.671</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Distributed Cyber Warfare Operations Cost																		
Recurring Cost																		
Program Support Costs (PSC) Contractor Services	-	-	-	3.840	1	3.840	3.957	1	3.957	3.957	1	3.957	-	-	-	3.957	1	3.957
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.840	-	-	3.957	-	-	3.957	-	-	-	-	-	3.957
Non Recurring Cost																		
Distributed Cyber Warfare Operations Cost <sup>(†)</sup>	-	-	-	13.008	1	13.008	25.094	1	25.094	26.714	1	26.714	-	-	-	26.714	1	26.714
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	13.008	-	-	25.094	-	-	26.714	-	-	-	-	-	26.714
<i>Subtotal: Software - Distributed Cyber Warfare Operations Cost</i>	-	-	-	-	-	16.848	-	-	29.051	-	-	30.671	-	-	-	-	-	30.671
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	16.848	-	-	29.051	-	-	30.671	-	-	-	-	-	30.671

**Remarks:**

DCWO system specifics are classified and will be provided on a need-to-know basis.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Distributed Cyber Warfare Operations
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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
Distributed Cyber Warfare Operations Cost <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HN	Nov 2021	Dec 2021	1	13.008	Y		
Distributed Cyber Warfare Operations Cost <sup>(†)</sup>		2023	Various / Various	Various	AFLCMC/HN	Nov 2022	Dec 2022	1	25.094	Y		
Distributed Cyber Warfare Operations Cost <sup>(†)</sup>		2024	Various / Various	Various	AFLCMC/HN	Nov 2023	Dec 2023	1	26.714	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

The prior year quantities of one (1) listed for Distributed Cyber Warfare Operations (DCWO) represent the sum package of various information technology hardware software, and services required to support DCWO weapon system capabilities in a given year. The composition of procured items will vary from year-to-year and site-to-site to deliver DCWO capabilities.

Multiple competitive contracts awarded procuring hardware in support of development in PE 0208087F, Distributed Cyber Warfare Operations

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834320 / C3 Countermeasures **Item Number / Title [DODIC]:** Distributed Cyber Warfare Operations

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Distributed Cyber Warfare Operations Cost																															
1		2022	AF	1	0	1		A -	1																				0		
1		2023	AF	1	0	1																					A -	1	0		
1		2024	AF	1	0	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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Distributed Cyber Warfare Operations
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Distributed Cyber Warfare Operations Cost																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	1	0																							0		
	1	2024	AF	1	0	1			A -		1																		0		
							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	



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Distributed Cyber Warfare Operations
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	2	1	3

**Remarks:**  
Note: MSR, ECON, and MAX are Not Applicable. Items procured are Commercial Off The Shelf (COTS).

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> AF Defensive Cyberspace Operations
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	77.275	82.029	89.455	-	89.455
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	77.275	82.029	89.455	-	89.455
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>77.275</b>	<b>82.029</b>	<b>89.455</b>	-	<b>89.455</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - AF Defensive Cyberspace Operations Cost																		
Recurring Cost																		
1. Cyberspace Vulnerability Assessment/Hunter (CVA/H) <sup>(†)</sup>	-	-	-	0.052	534	27.770	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
2. Computer Security Assistance Program (CSAP)	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
3. Cyberspace Defense Analysis (CDA) <sup>(†)</sup>	-	-	-	10.374	1	10.374	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
4. Weapon System Cyber Response (WSCR) <sup>(†)</sup>	-	-	-	0.052	294	15.271	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
5. Air Force Cyber Defense (ACD) <sup>(†)</sup>	-	-	-	23.860	1	23.860	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
6. Integrated DCS - Mobile Kits <sup>(†)</sup>	-	-	-	-	-	-	32.622	1	32.622	23.050	1	23.050	-	-	-	23.050	1	23.050
7. Integrated DCS - Fixed Systems <sup>(†)</sup>	-	-	-	-	-	-	41.573	1	41.573	56.797	1	56.797	-	-	-	56.797	1	56.797
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	77.275	-	-	74.195	-	-	79.847	-	-	-	-	-	79.847
<i>Subtotal: Hardware - AF Defensive Cyberspace Operations Cost</i>	-	-	-	-	-	<b>77.275</b>	-	-	<b>74.195</b>	-	-	<b>79.847</b>	-	-	-	-	-	<b>79.847</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures						<b>Item Number / Title [DODIC]:</b> AF Defensive Cyberspace Operations					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - AF Defensive Cyberspace Operations Cost																		
Program Cost	-	-	-	-	-	-	7.834	1	7.834	9.608	1	9.608	-	-	-	9.608	1	9.608
<i>Subtotal: Support - AF Defensive Cyberspace Operations Cost</i>	-	-	-	-	-	-	-	-	7.834	-	-	9.608	-	-	-	-	-	9.608
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	77.275	-	-	82.029	-	-	89.455	-	-	-	-	-	89.455

**Remarks:**

Recurring Cost Elements 1-5

Starting in FY24, capabilities previously accounted for in these cost elements will be a part of the modernized mobile kits and static systems in Recurring Cost Elements 6-7. Capability costs include hardware, software, fielding, integration, documentation, and information assurance.

Recurring Cost Element 6

Funding provides for mobile kits to support ongoing operations by 19 Prime Mission Defense Teams and other Service-retained Hunt teams. Continued funding provides additional HW comprised of 60TB and 30TB servers, associated switches and lightweight sensors, and the associated SW to convert mobile kits into fully capable nodes of the Integrated Defensive Cyberspace System. This conversion builds on a modular approach, allowing mobile kits to be tailored to the data throughput, speed, and classification requirements of each specific mission.

Recurring Cost Element 7

Funding provides for the deployment of modernized fixed network log collectors to 188 Air Force bases worldwide, continuing from the initial fielding begun in FY23. Log collectors will be built from a common hardware basis allowing for the expansion of capabilities from log collectors to fully capable nodes of the Integrated Defensive Cyberspace System. This expansion of capability is planned for mid FY24 and will be conducted in parallel with the initial fielding, following an operationally driven priority list beginning with locations in the Pacific Theater to deter Chinese aggression. Fixed configurations include 120 TB servers, switches and associated lightweight sensors to be connected to end points unique to each AF Base to provide Cybersecurity and Situational Awareness of the entire cyber landscape. Sensor deployment will be tailored to operational function of the base, to include airfields, control centers, power, water and other supporting systems, as appropriate. Refinement of a base-by-base deployment plan began in FY23 and will be incrementally refined throughout the deployment process. Deployment will be conducted in collaboration with local commanders, OSI, and other stakeholders.

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> AF Defensive Cyberspace Operations
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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. Cyberspace Vulnerability Assessment/Hunter (CVA/H) <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HN	Mar 2022	Jun 2022	534	0.052	Y		
3. Cyberspace Defense Analysis (CDA) <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HN	Mar 2022	Jun 2022	1	10.374	Y		
4. Weapon System Cyber Response (WSCR) <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HN	Mar 2022	Jun 2022	294	0.052	Y		
5. Air Force Cyber Defense (ACD) <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC/HN	Mar 2022	Jun 2022	1	23.860	Y		
6. Integrated DCS - Mobile Kits <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC/HN	May 2023	Jul 2023	1	32.622	Y		
6. Integrated DCS - Mobile Kits <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/HN	Jan 2024	Mar 2024	1	23.050	Y		
7. Integrated DCS - Fixed Systems <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC/HN	May 2023	Jul 2023	1	41.573	Y		
7. Integrated DCS - Fixed Systems <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/HN	Jan 2024	Mar 2024	1	56.797	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834320 / C3 Countermeasures **Item Number / Title [DODIC]:** AF Defensive Cyberspace Operations

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
1. Cyberspace Vulnerability Assessment/Hunter (CVA/H)																																			
1		2022	AF	534	0	534																								0					
3. Cyberspace Defense Analysis (CDA)																																			
2		2022	AF	1	0	1																								0					
4. Weapon System Cyber Response (WSCR)																																			
3		2022	AF	294	0	294																								0					
5. Air Force Cyber Defense (ACD)																																			
4		2022	AF	1	0	1																								0					
6. Integrated DCS - Mobile Kits																																			
5		2023	AF	1	0	1																								0					
5		2024	AF	1	0	1																								1					
7. Integrated DCS - Fixed Systems																																			
6		2023	AF	1	0	1																								0					
6		2024	AF	1	0	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					

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> AF Defensive Cyberspace Operations
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
1. Cyberspace Vulnerability Assessment/Hunter (CVA/H)																																			
1		2022	AF	534	534	0																							0						
3. Cyberspace Defense Analysis (CDA)																																			
2		2022	AF	1	1	0																							0						
4. Weapon System Cyber Response (WSCR)																																			
3		2022	AF	294	294	0																							0						
5. Air Force Cyber Defense (ACD)																																			
4		2022	AF	1	1	0																							0						
6. Integrated DCS - Mobile Kits																																			
5		2023	AF	1	1	0																							0						
5		2024	AF	1	0	1				A	-	-		1															0						
7. Integrated DCS - Fixed Systems																																			
6		2023	AF	1	1	0																							0						
6		2024	AF	1	0	1				A	-	-		1															0						
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		
										C	O	E	A	E	A	A	U	U	U	S	C	O	O	E	A	F	A	A	U	U	A	S			
										T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	G	P		

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> AF Defensive Cyberspace Operations
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	6	3	9
2	Various - Various	1	1	1	0	0	0	0	0	1	6	3	9
3	Various - Various	1	1	1	0	0	0	0	0	1	6	3	9
4	Various - Various	1	1	1	1	0	0	0	0	1	6	3	9
5	TBD - TBD	1	1	1	0	0	0	0	0	1	4	2	6
6	TBD - TBD	1	1	1	0	0	0	0	0	1	4	2	6

**Remarks:**  
Note: MSR, ECON, and MAX are Not Applicable. Items procured are Commercial Off The Shelf (COTS).

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Unified Platform (UP)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.904	5.013	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	4.904	5.013	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>4.904</b>	<b>5.013</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Unified Platform (UP) Cost																		
Recurring Cost																		
Unified Platform (UP) <sup>(†)</sup>	-	-	-	2.030	1	2.030	3.342	1	3.342	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.030	-	-	3.342	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Unified Platform (UP) Cost</i>	-	-	-	-	-	2.030	-	-	3.342	-	-	0.000	-	-	-	-	-	0.000
Support - Unified Platform (UP) Cost																		
Program Support Cost (PSC)	-	-	-	-	-	2.874	-	-	1.671	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Unified Platform (UP) Cost</i>	-	-	-	-	-	2.874	-	-	1.671	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.904	-	-	5.013	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**  
FY24+ procurement funding transferred to USCYBERCOM's line item CY01 (Cyberspace Operations) to satisfy requirements in the FY22 NDAA, Section 1507.

<sup>(†)</sup> indicates the presence of a P-5a



**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Unified Platform (UP)
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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
Unified Platform (UP) <sup>(†)</sup>		2022	Various / Various	MIPR	AFLCMC/HN	Jul 2022	Aug 2022	1	2.030	Y		
Unified Platform (UP) <sup>(†)</sup>		2023	Various / Various	MIPR	AFLCMC/HN	Jul 2023	Aug 2023	1	3.342	Y		

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
		<b>Item Number / Title [DODIC]:</b> Unified Platform (UP)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	10	1	11

**Remarks:**  
MSR, ECON, and MAX are Not Applicable. Items procured are Commercial Off The Shelf (COTS).

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Support to Information Operations (IO) Capabilities

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
Resource Summary		Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	1.226	1.160	1.178	-	1.178
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	1.226	1.160	1.178	-	1.178
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	<b>1.226</b>	<b>1.160</b>	<b>1.178</b>	-	<b>1.178</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Support to Information Operations (IO) Capabilities Cost																		
Recurring Cost																		
Enterprise Network Modernization <sup>(t)</sup>	-	-	-	1.226	1	1.226	1.160	1	1.160	1.178	1	1.178	-	-	-	1.178	1	1.178
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.226	-	-	1.160	-	-	1.178	-	-	-	-	-	1.178
<i>Subtotal: Hardware - Support to Information Operations (IO) Capabilities Cost</i>	-	-	-	-	-	1.226	-	-	1.160	-	-	1.178	-	-	-	-	-	1.178
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.226	-	-	1.160	-	-	1.178	-	-	-	-	-	1.178

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures				<b>Item Number / Title [DODIC]:</b> Support to Information Operations (IO) Capabilities				

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
Enterprise Network Modernization <sup>(†)</sup>		2022	Various / Various	PO	AFLCMC/HN	Mar 2022	Jun 2022	1	1.226	Y		
Enterprise Network Modernization <sup>(†)</sup>		2023	Various / Various	PO	AFLCMC/HN	Mar 2023	Jun 2023	1	1.160	Y		
Enterprise Network Modernization <sup>(†)</sup>		2024	Various / Various	TBD	AFLCMC/HN	Mar 2024	Jun 2024	1	1.178	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Quantity 1 represents the sum procurement of various commercial-off-the-shelf (COTS) and government-off-the-shelf (GOTS) hardware and software required to support the Joint Information Operations Range.

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures										<b>Item Number / Title [DODIC]:</b> Support to Information Operations (IO) Capabilities									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022											Fiscal Year 2023											BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022											Calendar Year 2023												
							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
Enterprise Network Modernization																														
1		2022	AF	1	0	1																								0
1		2023	AF	1	0	1																							A - - - 1	0
1		2024	AF	1	0	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

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures										<b>Item Number / Title [DODIC]:</b> Support to Information Operations (IO) Capabilities									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025																		
							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									
Enterprise Network Modernization																																							
	1	2022	AF	1	1	0																													0				
	1	2023	AF	1	1	0																													0				
	1	2024	AF	1	0	1															A -	-	-	1															0
							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									

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures
<b>Item Number / Title [DODIC]:</b> Support to Information Operations (IO) Capabilities		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	6	3	9

**Remarks:**  
Note: MSR, ECON, and MAX are Not Applicable. Items procured are COTS or GOTS.

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyber Operations Technology Support
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	13	5	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	9.881	3.808	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	9.881	3.808	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>9.881</b>	<b>3.808</b>	<b>0.000</b>	-	<b>0.000</b>

*(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> )	-	0.760	0.762	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Hunt Forward Kit Cost																		
Recurring Cost																		
Kit <sup>(t)</sup>	-	-	-	0.737	13	9.581	0.702	5	3.508	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.581	-	-	3.508	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Hunt Forward Kit Cost</i>	-	-	-	-	-	<b>9.581</b>	-	-	<b>3.508</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>
Support - PSC Cost																		
Program Support Costs (PSC)	-	-	-	-	-	0.300	-	-	0.300	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - PSC Cost</i>	-	-	-	-	-	<b>0.300</b>	-	-	<b>0.300</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>
<b>Gross/Weapon System Cost</b>	-	-	-	<b>0.760</b>	<b>13</b>	<b>9.881</b>	<b>0.762</b>	<b>5</b>	<b>3.808</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

**Remarks:**  
 FY24+ procurement funding transferred to USCYBERCOM's line item CY01 (Cyberspace Operations) in accordance with SECDEF requirements transferring combatant command support agent responsibilities from the Air Force to the Army.

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyber Operations Technology Support
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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
Kit <sup>(†)</sup>		2022	Sealing Technologies, Inc. / Stevensville, MD	C / FFP	USCYBERCOM	Jun 2022	Oct 2022	13	0.737	Y		
Kit <sup>(†)</sup>		2023	Sealing Technologies, Inc. / Stevensville, MD	C / FFP	USCYBERCOM	Feb 2023	May 2023	5	0.702	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

FY24+ procurement funding transferred to USCYBERCOM's line item CY01 (Cyberspace Operations) in accordance with SECDEF requirements transferring combatant command support agent responsibilities from the Air Force to the Army.



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyber Operations Technology Support
---	---	--

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sealing Technologies, Inc. - Stevensville, MD	5	60	104	0	0	0	0	1	5	3	8

**Remarks:**  
 FY24+ procurement funding transferred to USCYBERCOM's line item CY01 (Cyberspace Operations) in accordance with SECDEF requirements transferring combatant command support agent responsibilities from the Air Force to the Army.

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyberspace Training
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	4.619	7.875	27.514	-	27.514
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	4.619	7.875	27.514	-	27.514
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>4.619</b>	<b>7.875</b>	<b>27.514</b>	-	<b>27.514</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Cyberspace Training Cost																		
Recurring Cost																		
Cyber Multi-Domain Architecture <sup>(t)</sup>	-	-	-	0.923	1	0.923	1.675	1	1.675	1.600	1	1.600	-	-	-	1.600	1	1.600
Cyber Test and Training Range <sup>(t)</sup>	-	-	-	1.848	1	1.848	3.100	1	3.100	15.100	1	15.100	-	-	-	15.100	1	15.100
Cyber IQT-MQT <sup>(t)</sup>	-	-	-	1.848	1	1.848	3.100	1	3.100	10.814	1	10.814	-	-	-	10.814	1	10.814
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.619	-	-	7.875	-	-	27.514	-	-	-	-	-	27.514
<i>Subtotal: Hardware - Cyberspace Training Cost</i>	-	-	-	-	-	4.619	-	-	7.875	-	-	27.514	-	-	-	-	-	27.514
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.619	-	-	7.875	-	-	27.514	-	-	-	-	-	27.514

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyberspace Training
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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
Cyber Multi-Domain Architecture <sup>(†)</sup>		2022	Various / Various	Various	JBSA-Lackland	Feb 2022	Mar 2022	1	0.923	Y		
Cyber Multi-Domain Architecture <sup>(†)</sup>		2023	Various / Various	Various	JBSA-Lackland	Feb 2023	Mar 2023	1	1.675	Y		
Cyber Multi-Domain Architecture <sup>(†)</sup>		2024	Various / Various	TBD	JBSA-Lackland	Feb 2024	Mar 2024	1	1.600	Y		
Cyber Test and Training Range <sup>(†)</sup>		2022	Various / Various	Various	JBSA-Lackland	Feb 2022	Mar 2022	1	1.848	Y		
Cyber Test and Training Range <sup>(†)</sup>		2023	Various / Various	Various	JBSA-Lackland	Feb 2023	Mar 2023	1	3.100	Y		
Cyber Test and Training Range <sup>(†)</sup>		2024	Various / Various	TBD	JBSA-Lackland	Feb 2024	Mar 2024	1	15.100	Y		
Cyber IQT-MQT <sup>(†)</sup>		2022	Various / Various	Various	JBSA-Lackland	Feb 2022	Mar 2022	1	1.848	Y		
Cyber IQT-MQT <sup>(†)</sup>		2023	Various / Various	Various	JBSA-Lackland	Feb 2023	Mar 2023	1	3.100	Y		
Cyber IQT-MQT <sup>(†)</sup>		2024	Various / Various	TBD	JBSA-Lackland	Feb 2024	Mar 2024	1	10.814	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Quantities listed as one (1) for Cyberspace Training represent the sum package of various information technology hardware and software required to support the Cyberspace Training capabilities in a given year. The composition of procured items will vary from year-to-year and site-to-site to achieve the Cyberspace Training requirements.

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyberspace Training
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Cyber Multi-Domain Architecture																															
	1	2022	AF	1	0	1																							0		
	1	2023	AF	1	0	1																							0		
	1	2024	AF	1	0	1																							1		
Cyber Test and Training Range																															
	2	2022	AF	1	0	1																							0		
	2	2023	AF	1	0	1																							0		
	2	2024	AF	1	0	1																							1		
Cyber IQT-MQT																															
	3	2022	AF	1	0	1																							0		
	3	2023	AF	1	0	1																							0		
	3	2024	AF	1	0	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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyberspace Training
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
Cyber Multi-Domain Architecture																																			
	1	2022	AF		1	0																								0					
	1	2023	AF		1	0																								0					
	1	2024	AF		1	0																								0					
Cyber Test and Training Range																																			
	2	2022	AF		1	0																								0					
	2	2023	AF		1	0																								0					
	2	2024	AF		1	0																								0					
Cyber IQT-MQT																																			
	3	2022	AF		1	0																								0					
	3	2023	AF		1	0																								0					
	3	2024	AF		1	0																								0					



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834320 / C3 Countermeasures	<b>Item Number / Title [DODIC]:</b> Cyberspace Training
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	5	1	6
2	Various - Various	1	1	1	0	0	0	0	0	1	5	1	6
3	Various - Various	1	1	1	0	0	0	0	0	1	5	1	6

**Remarks:**  
Note: MSR, ECON, Max are not applicable. Items procured are Commercial Off The Shelf (COTS) items.

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N86

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	8.487	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	8.487
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	8.487	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	8.487
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>8.487</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>8.487</b>

*(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 Force Integrated Personnel and Pay System (AFIPPS) will be a web-enabled, Enterprise Resource Planning (ERP) solution that will integrate existing personnel and pay processes into one self-service system. AFIPPS supports how the Air Force owns and operates the Human Resource Management domain and is a component of the AF/A1 digital transformation journey, currently underway. AFIPPS continues the transformation by providing an accurate and single authoritative source of personnel data to ensure timely delivery of pay, entitlements, allowances, and benefits to all Active Duty Air and Space Force, National Guard (ANG), and Reserve (AFRes) components. AFIPPS represents the DAF's commitment to modernize business practices and provide enhanced support to service members and their families by integrating personnel and pay systems. AFIPPS will eliminate DAF reliance on the unsustainable Defense Finance and Accounting System (DFAS) and the Defense Joint Military Pay System (DJMS) for payroll processing and will ensure improved auditability of service member pay.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Funding for this exhibit is contained in PE 0901250F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N86

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Integrated Personnel and Pay System	P-5a, P-21	A		- / -	- / 8.487	- / 0.000	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 8.487	- / 0.000	- / 0.000	- / -	- / 0.000

\*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 sum exactly due to rounding.

**Justification:**  
No FY 2024 funding requested.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834410 / Integrated Personnel and Pay System	<b>Item Number / Title [DODIC]:</b> Integrated Personnel and Pay System
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.487	0.000	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	8.487	0.000	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>8.487</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>
Software - Integrated Personnel and Pay System Cost																		
Non Recurring Cost																		
Initial Software License Procurement/ End User Software License <sup>(t)</sup>	-	-	-	8.487	1	8.487	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	8.487	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Software - Integrated Personnel and Pay System Cost</i>	-	-	-	-	-	8.487	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	8.487	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000

<sup>(t)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834410 / Integrated Personnel and Pay System	<b>Item Number / Title [DODIC]:</b> Integrated Personnel and Pay System
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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
Initial Software License Procurement/End User Software License <sup>(†)</sup>		2022	AFFIGENT LLC / Herndon, VA	C / FFP	AFLCMC/Hi - Business & Enterprise Systems	Apr 2022	Jun 2022	1	8.487	Y		Jan 2022

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834410 / Integrated Personnel and Pay System	<b>Item Number / Title [DODIC]:</b> Integrated Personnel and Pay System
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Initial Software License Procurement/End User Software License																															
	1	2022	AF	1	0	1																									

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834410 / Integrated Personnel and Pay System	<b>Item Number / Title [DODIC]:</b> Integrated Personnel and Pay System
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AFFIGENT LLC - Herndon, VA	1	1	1	1	7	2	9	0	0	0	0

**Remarks:**  
FY 2022 funds procured payroll COTS software licenses for end users. All licenses are available and delivered to the government.

"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).



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	3.959	0.786	0.000	-	0.000	4.427	5.649	5.847	5.972	-	26.640
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	3.959	0.786	0.000	-	0.000	4.427	5.649	5.847	5.972	-	26.640
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>3.959</b>	<b>0.786</b>	<b>0.000</b>	-	<b>0.000</b>	<b>4.427</b>	<b>5.649</b>	<b>5.847</b>	<b>5.972</b>	-	<b>26.640</b>

*(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:**

PE 0708610F LOGISTICS INFORMATION TECHNOLOGY (LOGIT)

The Air Force logistics enterprise is comprised of multiple overarching functional areas, end-to-end supply chain support, base supply inventories, and predictive analysis and forecasting. Enterprise Logistics Systems deliver integrated logistics information driving war winning decisions by shaping, acquiring, and sustaining warfighting IT capabilities and mission support. OPAF funding will be used for capital equipment replacement to include servers and it is also being used to purchase multi-year software licenses.

Systems contained in these business areas include, but are not limited to: Integrated Maintenance Data System (IMDS), Reliability and Maintainability Information System (REMIS), Reliability, Availability, Maintainability for Pods (RAMPOD), Integrated Logistics System-Supply (ILS-S), Stock Control System (SCS), Enhanced Technical Information Management System (ETIMS), Product Lifecycle Management (PLM), Supply Capability Initiative (SCI), and Foundational Logistics Information Technology Enterprise System (FLITES) (formerly Item Master Logistics Capability Initiative (IMLCI)).

PE 0708012F LOGISTICS SUPPORT ACTIVITIES

Reliability, Availability, Maintainability for Pods (RAMPOD) is an integrated weapons management information system that collects, reports, and maintains real-time reliability, availability, maintainability, configuration, warranty, system on-time, inventory, performance, sortie and engineering parametric data for all externally carried electronic combat pods and avionics pods. OPAF funding will be used to purchase servers and accessory equipment for a technical refresh of the RAMPOD Development, Test and operational environments. Funding may also be used to procure various types/amounts of software in support of unit mission requirements for Air Force personnel.

Funding for this exhibit contained in PE 0708610F and 0708012F.

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Logistics Support Activities	P-5a, P-21	A		- / -	- / 0.000	1 / 0.786	- / 0.000	- / -	- / 0.000
P-5	Logistics Information Technology (LOGIT)	P-5a, P-21	A		- / -	- / 3.959	1 / 0.000	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 3.959	- / 0.786	- / 0.000	- / -	- / 0.000

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0708012F LOGISTICS SUPPORT ACTIVITIES  
 No Budget Year FY24 funding requested.

PE 0708610F LOGISTICS INFORMATION TECHNOLOGY (LOGIT)  
 No Budget Year FY24 funding requested.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	1	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.786	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.786	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.000</b>	<b>0.786</b>	<b>0.000</b>	-	<b>0.000</b>

*(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>	-	-	0.786	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Logistics Support Activities Cost																		
Non Recurring Cost																		
RAMPOD Servers <sup>(t)</sup>	-	-	-	-	-	0.000	0.786	1	0.786	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.786	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - Logistics Support Activities Cost</i>	-	-	-	-	-	0.000	-	-	0.786	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	0.786	1	0.786	-	-	0.000	-	-	-	-	-	0.000

<sup>(t)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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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
RAMPOD Servers <sup>(†)</sup>		2023	S&K Mission Support, LLC (SKMS) / Warner Robins, GA	C / FFP	AFLCMC/HI - Business & Enterprise Systems	Jan 2023	Mar 2023	1	0.786	Y	Dec 2022	

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
RAMPOD is purchasing multiple COTS servers (up to 14) and accessories on one buy. The quantities, equipment and miscellaneous accessories will depend on the technical solution.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
RAMPOD Servers																															
	1	2023	AF		1	0	1																							0	

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Support Activities
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	S&K Mission Support, LLC (SKMS) - Warner Robins, GA	1	1	1	1	4	2	6	0	0	0	0

**Remarks:**  
 RAMPOD is purchasing multiple COTS servers (up to 14) and accessories on one buy. The quantities, equipment and miscellaneous accessories will depend on the technical solution. COTS servers will not require specialized manufacturing and should all be available for delivery in March 2023.

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Information Technology (LOGIT)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
Resource Summary				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)				-	-	1	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	3.959	0.000	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	3.959	0.000	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>3.959</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)				-	-	0.000	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Logistics Information Technology (LOGIT) Cost																		
Non Recurring Cost																		
FLITES Software Licenses <sup>(†)</sup>	-	-	-	0.001	5,700	3.959	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	3.959	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Software - Logistics Information Technology (LOGIT) Cost</i>	-	-	-	-	-	3.959	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.959	0.000	1	0.000	-	-	0.000	-	-	-	-	-	0.000

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos				<b>Item Number / Title [DODIC]:</b> Logistics Information Technology (LOGIT)					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
FLITES Software Licenses <sup>(†)</sup>		2022	OneNetwork / WPAFB, OH	C / FFPLOE	AFLCMC/HI - Business & Enterprise Systems	Sep 2022	Oct 2022	5,700	0.001	Y		

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos	<b>Item Number / Title [DODIC]:</b> Logistics Information Technology (LOGIT)
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Cost Elements <i>(Units in Each)</i>				Fiscal Year 2022														Fiscal Year 2023												BALANCE			
O C C O	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 2 1	B A L D U E A S O F 1 O C T	Calendar Year 2022														Calendar Year 2023												
							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		
FLITES Software Licenses																																	
	1	2022	AF	5,700		0	5,700											A -	5,700									0					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834430 / GCSS-AF Fos
		<b>Item Number / Title [DODIC]:</b> Logistics Information Technology (LOGIT)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OneNetwork - WPAFB, OH	1	5,700	5,700	1	12	1	13	0	0	0	0

**Remarks:**  
FY 2022 funding will be used to purchase end user COTS software licenses for deployment of MVP1. All licenses will be available for delivery immediately once contractual agreements are met.

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 834470 / Defense Enterprise Accounting & Mgt Sys

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0901554F

**Line Item MDAP/MAIS Code:** N87

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4.168	3.103	3.156	0.000	-	0.000	3.176	3.077	3.247	3.004	0.000	22.931
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	4.168	3.103	3.156	0.000	-	0.000	3.176	3.077	3.247	3.004	0.000	22.931
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>4.168</b>	<b>3.103</b>	<b>3.156</b>	<b>0.000</b>	-	<b>0.000</b>	<b>3.176</b>	<b>3.077</b>	<b>3.247</b>	<b>3.004</b>	<b>0.000</b>	<b>22.931</b>

*(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 Defense Enterprise and Accounting System (DEAMS) program element develops required capability and functionality to existing financial management systems in order to comply with audit and transparency requirements, in addition to, other upgrades that provide efficiencies in processing financial transactions. This program element also supports studies and analysis to improve future program planning and execution.

DEAMS is a commercial-off-the-shelf (COTS) solution based on the Oracle e-Business Suite (EBS) and provides an auditable, modern accounting and finance management capability. It is the Department of the Air Force's (DAF) core accounting and financial management solution and is a key component of the DAF's long-term business process improvements needed to sustain auditability and correct financial system weaknesses. DEAMS supports 17,000 users at 170 installations world-wide supporting all Air Force Major Commands, the U.S. Space Force, and Unified Commands where the DAF is the executive agent.

DEAMS is an Enterprise Resource Planning (ERP) Program that replaces numerous inefficient and/or obsolete legacy accounting and finance systems and provides 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 under mission description and budget item justification.

The DAF is preparing to transition DEAMS to the fifth and final phase of the Business Capability Acquisition Cycle (BCAC) process known as Capability Support. New system requirements are managed through the program backlog by the Program Management Office (PMO) and Functional Management Office (FMO) and released on a regular cadence as usable capability via Agile methodology. The PMO construct, along with the application of Agile principles allows the program to properly plan system requirements, deliver early capability to the end users, achieve early return on investment of taxpayer dollars, mitigate risk, reduce waste, effectively respond to change, and continuously improve processes.

DEAMS requires software user licenses to support system deployments as well as potential software and hardware requirements needed to manage, execute, and deliver DEAMS system capability including necessary system upgrades.

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

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834470 / Defense Enterprise Accounting & Mgt Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0901554F
<b>Line Item MDAP/MAIS Code:</b> N87		

Funding for this exhibit contained in PE 0901554F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 834470 / Defense Enterprise Accounting & Mgt Sys

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0901554F

**Line Item MDAP/MAIS Code:** N87

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Defense Enterprise Acntng and Mgt Sys (DEAMS)	P-5a, P-21	A		- / 4.168	- / 3.103	- / 3.156	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 4.168</b>	<b>- / 3.103</b>	<b>- / 3.156</b>	<b>- / 0.000</b>	<b>- / -</b>	<b>- / 0.000</b>

\*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 sum exactly due to rounding.

**Justification:**  
No Budget Year FY 2024 funding requested.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834470 / Defense Enterprise Accounting & Mgt Sys	<b>Item Number / Title [DODIC]:</b> Defense Enterprise Acntng and Mgt Sys (DEAMS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4.168	3.103	3.156	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	4.168	3.103	3.156	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>4.168</b>	<b>3.103</b>	<b>3.156</b>	<b>0.000</b>	<b>-</b>	<b>0.000</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Software - Defense Enterprise Acntng and Mgt Sys (DEAMS) Cost																		
Recurring Cost																		
Hardware/Software <sup>(†)</sup>	0.001	4,168	4.168	0.001	3,000	3.103	0.001	3,156	3.156	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	4.168	-	-	3.103	-	-	3.156	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Software - Defense Enterprise Acntng and Mgt Sys (DEAMS) Cost</i>	-	-	<b>4.168</b>	-	-	<b>3.103</b>	-	-	<b>3.156</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>4.168</b>	-	-	<b>3.103</b>	-	-	<b>3.156</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834470 / Defense Enterprise Accounting & Mgt Sys				<b>Item Number / Title [DODIC]:</b> Defense Enterprise Acntng and Mgt Sys (DEAMS)					

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
Hardware/Software		2021	V3GATE, LLC. / CO	SS / FFP	AFLCMC/HI - Business & Enterprise Systems	Feb 2023	Feb 2023	22	0.001	Y		Feb 2023
Hardware/Software <sup>(†)</sup>		2022	V3GATE, LLC. / CO	SS / FFP	AFLCMC/HI - Business & Enterprise Systems	Feb 2023	Feb 2023	3,000	0.001	Y		
Hardware/Software		2023	V3GATE, LLC. / CO	SS / FFP	AFLCMC/HI - Business & Enterprise Systems	Feb 2023	May 2023	3,156	0.001	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4										<b>P-1 Line Item Number / Title:</b> 834470 / Defense Enterprise Accounting & Mgt Sys										<b>Item Number / Title [DODIC]:</b> Defense Enterprise Acntng and Mgt Sys (DEAMS)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2023												Fiscal Year 2024												BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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

Hardware/Software

Prior Years Deliveries: 4146

1	2022	AF		3,000	0	3,000	A3,000																								0
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O C C O	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
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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4		<b>P-1 Line Item Number / Title:</b> 834470 / Defense Enterprise Accounting & Mgt Sys
<b>Item Number / Title [DODIC]:</b> Defense Enterprise Acntng and Mgt Sys (DEAMS)		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	V3GATE, LLC. - CO				0	0	0	0	0	0	0	0	0

**Remarks:**  
 FY 2021 - FY2028 funding procures COTS software licenses for developed software.

"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 2024 Air Force **Date:** March 2023

**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:**  
 834480 / Maintenance Repair & Overhaul Initiative

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0708055F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.248	0.000	-	0.000	0.000	0.000	0.000	0.000	-	0.248
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.248	0.000	-	0.000	0.000	0.000	0.000	0.000	-	0.248
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.248</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.248</b>

*(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:**

**MAINTENANCE REPAIR AND OVERHAUL INITIATIVE (MROi):**  
 The MROi program is a Doctrine, Organization, Training, Materiel, Leadership, Personnel, Facilities and Policies (DOTMLPF-P) transformation and standardization of both the business processes and enabling materiel solution. MROi will provide Air Force Sustainment Center (AFSC) with an integrated capability for planning, scheduling, and executing organic depot maintenance to support agile planning, optimized workload assignment, resource allocation, integrated quality, and maintenance-driven Air Force Working Capital Fund (AFWCF) financials auditability. This integrated capability, by definition, represents a critical step forward toward resolution of the Air Force's Integrated Financial Systems Material Weakness.

MROi will implement a configured Oracle Enterprise Business Suite (EBS) commercial off-the-shelf (COTS) software product with required report, interface, conversion, extension, and workflow (RICE-W) objects.

MROi will implement throughout all AFSC commodities, electronics, missile, propulsion, aircraft, software, and maintenance support groups. MROi's implementation will include transitional interfaces with various legacy systems to support continuous operations within the depot maintenance and supporting financials environment.

MROi is using 3080 funding to purchase various software licenses in support of the MROi capability currently under development (RDT&E).

IOT&E scheduled to start fourth quarter 2024.

Funding for this exhibit is contained in PE 0708055F.

This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 834480 / Maintenance Repair & Overhaul Initiative

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0708055F **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Maintenance Repair & Overhaul Initiative	P-5a, P-21	B		- / -	- / 0.000	- / 0.248	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 0.248</b>	<b>- / 0.000</b>	<b>- / -</b>	<b>- / 0.000</b>

\*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 sum exactly due to rounding.

**Justification:**  
No Budget Year FY24 funding requested.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834480 / Maintenance Repair & Overhaul Initiative	<b>Item Number / Title [DODIC]:</b> Maintenance Repair & Overhaul Initiative
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	0.000	0.248	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	0.000	0.248	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>0.000</b>	<b>0.248</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Maintenance Repair Cost																		
Non Recurring Cost																		
EBS Licenses <sup>(t)</sup>	-	-	-	-	-	0.000	0.001	240	0.248	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.248	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Software - Maintenance Repair Cost</i>	-	-	-	-	-	0.000	-	-	0.248	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.248	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**  
 FY 2023 funds support the acquisition of approximately 240 end user licenses.  
  
 (t) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834480 / Maintenance Repair & Overhaul Initiative	<b>Item Number / Title [DODIC]:</b> Maintenance Repair & Overhaul Initiative
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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
EBS Licenses <sup>(†)</sup>		2023	V3GATE, LLC / Colorado Springs, Colorado	TBD	AFCLMC/HI - Business & Enterprise Systems	Aug 2023	Aug 2023	240	0.001	N	Jul 2023	

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
FY 2023 funds support the acquisition of approximately 240 end user licenses.

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834480 / Maintenance Repair & Overhaul Initiative	<b>Item Number / Title [DODIC]:</b> Maintenance Repair & Overhaul Initiative
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024															
							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						
EBS Licenses																																				
	1	2023	AF	240	0	240															A240															0
							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						

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834480 / Maintenance Repair & Overhaul Initiative	<b>Item Number / Title [DODIC]:</b> Maintenance Repair & Overhaul Initiative
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	V3GATE, LLC - Colorado Springs, Colorado	1	5,000	5,000	1	11	0	11	1	0	0	0

**Remarks:**  
FY 2023 funds are being used to procure COTS software licenses. All licenses will be available for delivery immediately once contractual agreements are met.

"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).



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.347	4.052	0.275	0.000	-	0.000	0.433	0.442	0.457	0.467	-	6.473
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.347	4.052	0.275	0.000	-	0.000	0.433	0.442	0.457	0.467	-	6.473
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.347</b>	<b>4.052</b>	<b>0.275</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.433</b>	<b>0.442</b>	<b>0.457</b>	<b>0.467</b>	-	<b>6.473</b>

*(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:**

PE 0207438F, Theater Battle Management (TBM) C4I

1. Theater Battle Management Core System - Force Level (TBMCS FL): An integrated battle management system used to plan, execute, and assess an air campaign. It provided automated planning tools enabling consistent, coordinated battle management at both Air Operations Center (AOC) and non-AOC entities for operations and intelligence functions. TBMCS FL was a United States Air Force lead system with joint interest responsible for generation and dissemination of the Air Tasking Order (ATO) and inter-operates with allied units.

PE 0305984F, Personnel Recovery Command and Control (PRC2)

2. Provides PRC2 services supporting all Combatant Commands, Joint Services and other government agencies. Capabilities include web-based access to isolated personnel reports for all Department of Defense (DoD) personnel, tools for performing command and control (C2) of recovery efforts for downed airmen/isolated ground troops, and rapid identification of personnel in distress. PRC2 is used within AOC/ Areas of Responsibility (AOR), 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.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Theater Battle Management (TBM) C4I	P-5a, P-21	A		- / -	- / 3.683	- / 0.000	- / 0.000	- / -	- / 0.000
P-3a	1 / PRC2 (Capability Improvement)		A		- / 0.347	- / 0.369	- / 0.275	- / 0.000	- / 0.000	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.347</b>	<b>- / 4.052</b>	<b>- / 0.275</b>	<b>- / 0.000</b>	<b>- / -</b>	<b>- / 0.000</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Theater Battle Management (TBM) C4I	P-5a, P-21	A		- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / PRC2 (Capability Improvement)		A		- / 0.433	- / 0.442	- / 0.457	- / 0.467	- / -	- / 2.790
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.433</b>	<b>- / 0.442</b>	<b>- / 0.457</b>	<b>- / 0.467</b>	<b>- / -</b>	<b>- / 6.473</b>

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0207438F, Theater Battle Management (TBM) C4I

1. TBMCS FL: Provided the Combined/Joint Force Air Component Commander (C/JFACC) with the automated tools necessary to effectively and efficiently plan, monitor, and execute the air campaign. This included planning and issuing the ATO and Airspace Control Order (ACO) that ensure the theater commander's intent is supported through the application of airpower using the latest intelligence.

No funding beyond FY22 was requested; program scheduled to end FY22.

PE 0305984F, Personnel Recovery Command and Control (PRC2)

2. PRC2: Provides PRC2 services supporting all Combatant Commands, Joint Services and other 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 AOC/AOR, 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.

No funding requested in FY24

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System	<b>Item Number / Title [DODIC]:</b> Theater Battle Management (TBM) C4I
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	3.683	0.000	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	3.683	0.000	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>3.683</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Theater Battle Management (TBM) C4I Cost</b>																		
Non Recurring Cost																		
Capital Equipment Refresh <sup>(†)</sup>	-	-	-	2.683	1	2.683	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	2.683	-	-	0.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Theater Battle Management (TBM) C4I Cost</i>	-	-	-	-	-	2.683	-	-	0.000	-	-	-	-	-	-	-	-	-
<b>Support - Theater Battle Management (TBM) C4I Cost</b>																		
PMA Contractor Services	-	-	-	0.500	1	0.500	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
DMS Contractor Services	-	-	-	0.500	1	0.500	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Theater Battle Management (TBM) C4I Cost</i>	-	-	-	-	-	1.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.683	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System	<b>Item Number / Title [DODIC]:</b> Theater Battle Management (TBM) C4I
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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
Capital Equipment Refresh <sup>(†)</sup>		2022	Various / Various	Various	AFLCMC Hanscom AFB	Aug 2022	Sep 2022	1	2.683	Y	Jul 2022	

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System	<b>Item Number / Title [DODIC]:</b> Theater Battle Management (TBM) C4I
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022											Fiscal Year 2023											BALANCE				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022											Calendar Year 2023														
							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	
Capital Equipment Refresh																																
	1	2022	AF	1	0	1																								A - 1		0
							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		

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System	<b>Item Number / Title [DODIC]:</b> Theater Battle Management (TBM) C4I
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	11	1	12	0	0	0	0

"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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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System	<b>Modification Number / Title:</b> 1 / PRC2

**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.347	0.369	0.275	0.000	0.000	0.000	0.433	0.442	0.457	0.467	-	2.790
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.347	0.369	0.275	0.000	0.000	0.000	0.433	0.442	0.457	0.467	-	2.790
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.347</b>	<b>0.369</b>	<b>0.275</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.433</b>	<b>0.442</b>	<b>0.457</b>	<b>0.467</b>	-	<b>2.790</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides PRC2) services supporting all Combatant Commands, Joint Services and other government agencies. Capabilities include web-based access to isolated personnel reports for all Department of Defense (DoD) personnel, tools for performing C2 of recovery efforts for downed airmen/isolated ground troops, and rapid identification of personnel in distress. PRC2 is used within Air Operations Center (AOC)/Areas Of Responsibility (AOR), 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. PRC2 procurement funding satisfies the requirement of the hardware and software needs for the Development Network (DevNet) utilized by the Organic Depot that develops PRC2 applications. Additionally, PRC2 provides logistics support to manage the DevNet.

**Milestone/Development Status**

PRC2 is a cloud-based architecture providing database and web-based services and tools to host Personnel Recovery applications. PRC2 is a designated Platform Information Technology (PIT) system with two PIT software components.

PRC2 has two major web applications designed to operate independently from each other:(1) Personnel Recovery Mission Software (PRMS); and (2) Personnel Recovery Mission Manager (PRMM). These applications perform a special-purpose war fighting mission that supports Personnel Recovery (PR) operations. The applications aid in rescuing Isolated Personnel (IP) from hostile forces. PRC2 resources consist of Commercial off-the-shelf (COTS) and Government off-the-shelf (GOTS) developed software.

The PRC2 program office utilizes organic labor from 517th Software Engineering Squadron (SWES) at Hill AFB, UT. Funds will continue to sustain virtual data centers, developmental network data centers, and miscellaneous hardware and software sustainment and upgrades.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4				<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System						<b>Modification Number / Title:</b> 1 / PRC2		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> PRC2				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b>				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> PRC2 Hardware & COTS Software												
A Kits												
Recurring												
PRC2 Hardware & COTS Software:INSTALL KITS Group A (Active)	- / 0.347	- / 0.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.716
<i>Subtotal: Recurring</i>	- / 0.347	- / 0.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.716
<i>Subtotal: PRC2 Hardware &amp; COTS Software</i>	- / 0.347	- / 0.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.716
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.347	- / 0.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.716
<b>Support (All Modification Items)</b>												
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 0.275	- / -	- / -	- / -	- / 0.433	- / 0.442	- / 0.457	- / 0.467	- / -	- / 2.074
<i>Subtotal: Support</i>	- / -	- / -	- / 0.275	- / -	- / -	- / -	- / 0.433	- / 0.442	- / 0.457	- / 0.467	- / -	- / 2.074
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>0.347</b>	<b>0.369</b>	<b>0.275</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.433</b>	<b>0.442</b>	<b>0.457</b>	<b>0.467</b>	<b>-</b>	<b>2.790</b>



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834520 / Theater Battle Mgt C2 System			<b>Modification Number / Title:</b> 1 / PRC2	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> PRC2 Hardware & COTS Software							
<b>Manufacturer Information</b>							
Manufacturer Name: 517th Software Engineering Squadron (517 SWES)				Manufacturer Location: Hill AFB, UT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 Center (AOC)

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	23.019	21.709	5.032	-	5.032	21.163	22.904	23.709	24.214	-	141.750
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	23.019	21.709	5.032	-	5.032	21.163	22.904	23.709	24.214	-	141.750
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>23.019</b>	<b>21.709</b>	<b>5.032</b>	-	<b>5.032</b>	<b>21.163</b>	<b>22.904</b>	<b>23.709</b>	<b>24.214</b>	-	<b>141.750</b>

*(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:**

"PE 0207410F Air Operations Center Weapon System - P-40

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.

10.1 PMO provides hardware, software, technical documents, fielding support, Capital Equipment Replacement CER (e.g., replacing end of life/end of support Direct Mission Support (DMS) and 3rd Party components), core radio system and initial training to standardize the AOC WS to keep it interoperable, supportable and compliant (e.g., certification and accreditation). Also includes integration, test and fielding for cyber security improvements and existing 3rd Party modernized improvements/ modifications.

PE 0303248F, All Domain Common Platform (ADCP) - P-40A

The ADCP is an extensible hybrid cloud-based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient C2 mission applications and data to Airmen deployed around the world. ADCP Enables AOC modernization by providing tools, infrastructure and technical expertise to build and deploy modern cloud-based apps across a global infrastructure at multiple classification levels. ADCP further enables AFCENT rebalance as AOC 10.1 does not support their distributed ops concept. AOC Block 20 will scale to AOC enterprise preventing delayed or degradation of enterprise. Distributed ops directly supports force resilience in major conflict."

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	2	2	2	-	2	-	-	-	-
	Total Obligation Authority	21.919	21.709	5.032	-	5.032	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.500	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.600	-	-	-	-	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Total:</b>	Quantity	2	2	2	-	2	-	-	-	-
<b>Secondary Distribution</b>	Total Obligation Authority	23.019	21.709	5.032	-	5.032	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 Center (AOC)

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Air & Space Operations Center (AOC)	P-5a, P-21	A		- / -	- / 20.795	- / 19.816	- / 4.069	- / -	- / 4.069
P-5	All Domain Common Platform	P-5a, P-21	A		- / -	2 / 2.224	2 / 1.893	2 / 0.963	- / -	2 / 0.963
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 23.019	- / 21.709	- / 5.032	- / -	- / 5.032

\*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 sum exactly due to rounding.

**Justification:**

"PE 0207410F Air Operations Center Weapon System - P-40A

Note: The AOC program was removed from the BA-08 Software Pilot Program (PE 0608410F). All funding was transferred back to the original sources in PE 0207410F.

FY24 procurement funding for AOC WS Modifications supporting integration and fielding of improvements/upgrades of existing 3rd Party applications as well as newly developed replacement applications, CER to address commercial end-of-life/end-of-support/DMS components including components associated with C2 applications (3rd Party COTS/GOTS). Funding supports moving the AOC WS toward a cloud-based commercially managed Infrastructure and Platform as a Service (IaaS/ PaaS). AOC WS Modifications are required for the AOC to keep pace with evolving COTS/GOTS components, DoD directives, changes in the underlying IT environment, and to remain interoperable, certified, supportable, and compliant through software engineering solutions, integration, testing, fielding, training, and sustainment of new capabilities and upgrades to the AOC WS. AOC Modifications will be accomplished through quarterly Agile Release Events, periodic maintenance upgrades, emergency fixes, cyber security improvements and other integration activities.

FY24 procurement funds will also be used to support the planned acquisition of comm-IT equipment to implement Trusted Thin Client (TTC) Phase II. TTC Phase II will incorporate additional networks into the Operational Support Facility's (OSF) secure, internal/external multi-network architecture based on operational requirements. FY24 funds will also support Capital Equipment Replenishment (CER) of the existing on-premise equipment in the OSF and Combined AOC - Experimental (CAOC-X) site.

Additionally, FY24 acquisitions may be used on projects to evaluate AOC Enterprise comm-IT capabilities such as:

- a. Zero Trust end-point technology,
- b. Connectivity to the Mission Partner Environment (MPE) for coalition support,
- c. Internet-based secure communication using Commercial Solutions for Classified (CSfC),
- d. Support to Joint All Domain Command and Control (JADC2) operations using Multi-Level Security data transfer capabilities.

PE 0303248F, All Domain Common Platform - P-40A

ADCP enables AOC modernization by providing tools, infrastructure and technical expertise to build and deploy modern cloud-based apps across a global infrastructure at multiple classification levels. ADCP further enables AFCENT re-balance as AOC 10.1 does not support their distributed ops concept. AOC Block 20 will scale to AOC enterprise preventing delayed or degradation of enterprise. Distributed ops directly supports the JADC2 operational imperative and force resilience in major conflict.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects		<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
FY24 procurement funds will be used to fund Comm-IT capabilities for the Enterprise Network Operations Center/Security Operations Center (NOC/SOC) at the OSF, Langley AFB, VA and related digital infrastructure projects. Planned procurement activities include:  a. New IT infrastructure to establish the NOC/SOC capability for 24/7/365 mission support. b. An enhanced situational awareness display system for continuous performance monitoring of C2 Enterprise comm circuits and comm equipment used across the AOC Enterprise. c. Hardware, tools and engineering technical services to establish a capability to store and document all security incidents and provide centralized source of information for NOC/SOC staff. d. CER of fielded hardware that provides a multi-site cloud-based data backup capability for the AOC Enterprise."		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)			<b>Item Number / Title [DODIC]:</b> Air & Space Operations Center (AOC)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	20.795	19.816	4.069	-	4.069
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	20.795	19.816	4.069	-	4.069
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>20.795</b>	<b>19.816</b>	<b>4.069</b>	-	<b>4.069</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Air & Space Operations Center (AOC) Cost																		
Recurring Cost																		
1.a.1. CAPITAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/ GLOBAL (formerly known as Functional) AOC - AD <sup>(†)</sup>	-	-	-	7.771	1	7.771	7.637	1	7.637	0.548	1	0.548	-	-	-	0.548	1	0.548
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD <sup>(†)</sup>	-	-	-	3.885	1	3.885	4.537	1	4.537	0.274	1	0.274	-	-	-	0.274	1	0.274
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE <sup>(†)</sup>	-	-	-	1.554	1	1.554	1.527	1	1.527	0.110	1	0.110	-	-	-	0.110	1	0.110
1.a.5: CAPITAL EQUIPMENT REPLACEMENT - GUARD <sup>(†)</sup>	-	-	-	3.886	1	3.886	3.819	1	3.819	0.274	1	0.274	-	-	-	0.274	1	0.274
1.c. FIELDING SPO SUPPORT <sup>(†)</sup>	-	-	-	2.739	1	2.739	0.625	1	0.625	0.638	1	0.638	-	-	-	0.638	1	0.638
1.d. TEST SUPPORT (46 TS) <sup>(†)</sup>	-	-	-	-	-	-	0.371	1	0.371	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	19.835	-	-	18.516	-	-	1.844	-	-	-	-	-	1.844

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> Air & Space Operations Center (AOC)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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: Hardware - Air &amp; Space Operations Center (AOC) Cost</i>	-	-	-	-	-	19.835	-	-	18.516	-	-	1.844	-	-	-	-	-	1.844
Support - Support End Item Cost																		
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT <sup>(t)</sup>	-	-	-	0.960	1	0.960	1.300	1	1.300	2.225	1	2.225	-	-	-	2.225	1	2.225
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.960	-	-	1.300	-	-	2.225	-	-	-	-	-	2.225
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	20.795	-	-	19.816	-	-	4.069	-	-	-	-	-	4.069

**Remarks:**

- Due to different levels of complexity, differences in equipment to be updated, and length of required time necessary for modification, the total cost will fluctuate between fiscal years.
- Differences in site specific setup (due to variations between mission specific needs and differences in site type i.e., Geographic vs. Global (formally known as Functional) vs. Associated Support Site vs. Air Reserve Component Sites) 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 would be left blank as there is no way to report applicable quantities however in order to generate the P5A and P21 each element has been marked as "1".

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	19.695	19.816	4.069	-	4.069
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.500	-	-	-	-
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.600	-	-	-	-
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	<b>Total Obligation Authority</b>	20.795	19.816	4.069	-	4.069

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



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Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 4			P-1 Line Item Number / Title: 834530 / Air & Space Operations Center (AOC)					Item Number / Title [DODIC]: Air & Space Operations Center (AOC)				
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.1. CAPTIAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/ GLOBAL (formerly known as Functional) AOC - AD <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	7.771	Y		
1.a.1. CAPTIAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/ GLOBAL (formerly known as Functional) AOC - AD <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Aug 2023	1	7.637	Y		
1.a.1. CAPTIAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/ GLOBAL (formerly known as Functional) AOC - AD <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Apr 2024	1	0.548	Y		
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	3.885	Y		
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Aug 2023	1	4.537	Y		
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Apr 2024	1	0.274	Y		
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	1.554	Y		
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Aug 2023	1	1.527	Y		
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Apr 2024	1	0.110	Y		
1.a.5: CAPITAL EQUIPMENT REPLACEMENT - GUARD <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	3.886	Y		
1.a.5: CAPITAL EQUIPMENT REPLACEMENT - GUARD <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Aug 2023	1	3.819	Y		
1.a.5: CAPITAL EQUIPMENT REPLACEMENT - GUARD <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Apr 2024	1	0.274	Y		
1.c. FIELDING SPO SUPPORT <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	2.739	Y		
1.c. FIELDING SPO SUPPORT <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Aug 2023	1	0.625	Y		
1.c. FIELDING SPO SUPPORT <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jan 2024	Apr 2024	1	0.638	Y		

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> Air & Space Operations Center (AOC)
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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.d. TEST SUPPORT (46 TS) <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	0.371	Y		
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Jul 2022	Jul 2022	1	0.960	Y		
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jul 2023	Jul 2023	1	1.300	Y		
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Jul 2024	Jul 2024	1	2.225	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

- 1). Due to different levels of complexity, differences in equipment to be updated, and length of required time necessary for modification, the 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. Global (formally known as Functional) vs. Associated Support Site vs. Air Reserve Component Sites) 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 would be left blank as there is no way to report applicable quantities however in order to generate the P5A and P21 each element has been marked as "1".

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 **P-1 Line Item Number / Title:** 834530 / Air & Space Operations Center (AOC) **Item Number / Title [DODIC]:** Air & Space Operations Center (AOC)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
1.a.1. CAPITAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/GLOBAL (formerly known as Functional) AOC - AD																															
	1	2022	AF	1	0	1																								0	
	1	2023	AF	1	0	1																								0	
	1	2024	AF	1	0	1																								1	
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD																															
	2	2022	AF	1	0	1																								0	
	2	2023	AF	1	0	1																								0	
	2	2024	AF	1	0	1																								1	
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE																															
	3	2022	AF	1	0	1																								0	
	3	2023	AF	1	0	1																								0	
	3	2024	AF	1	0	1																								1	
1.a.5. CAPITAL EQUIPMENT REPLACEMENT - GUARD																															
	4	2022	AF	1	0	1																								0	
	4	2023	AF	1	0	1																								0	
	4	2024	AF	1	0	1																								1	
1.c. FIELDING SPO SUPPORT																															
	5	2022	AF	1	0	1																								0	
	5	2023	AF	1	0	1																								0	
	5	2024	AF	1	0	1																								1	
1.d. TEST SUPPORT (46 TS)																															
	6	2023	AF	1	0	1																								0	
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT																															
	7	2022	AF	1	0	1																								0	
	7	2023	AF	1	0	1																								0	
	7	2024	AF	1	0	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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> Air & Space Operations Center (AOC)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
1.a.1. CAPITAL EQUIPMENT REPLACEMENT: GEOGRAPHIC/GLOBAL (formerly known as Functional) AOC - AD																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	1	0																							0		
	1	2024	AF	1	0	1				A	-	-	-	1															0		
1.a.2. CAPITAL EQUIPMENT REPLACEMENT: AOC SUPPORT SITES - AD																															
	2	2022	AF	1	1	0																							0		
	2	2023	AF	1	1	0																							0		
	2	2024	AF	1	0	1				A	-	-	-	1															0		
1.a.4. CAPITAL EQUIPMENT REPLACEMENT - RESERVE																															
	3	2022	AF	1	1	0																							0		
	3	2023	AF	1	1	0																							0		
	3	2024	AF	1	0	1				A	-	-	-	1															0		
1.a.5. CAPITAL EQUIPMENT REPLACEMENT - GUARD																															
	4	2022	AF	1	1	0																							0		
	4	2023	AF	1	1	0																							0		
	4	2024	AF	1	0	1				A	-	-	-	1															0		
1.c. FIELDING SPO SUPPORT																															
	5	2022	AF	1	1	0																							0		
	5	2023	AF	1	1	0																							0		
	5	2024	AF	1	0	1				A	-	-	-	1															0		
1.d. TEST SUPPORT (46 TS)																															
	6	2023	AF	1	1	0																							0		
2.a. PROGRAM MANAGEMENT: PROGRAM SUPPORT																															
	7	2022	AF	1	1	0																							0		
	7	2023	AF	1	1	0																							0		
	7	2024	AF	1	0	1																							0		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> Air & Space Operations Center (AOC)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	4	3	7	0	0	0	0
2	Various - Various	1	2	2	1	4	3	7	0	0	0	0
3	Various - Various	1	1	1	1	4	3	7	0	0	0	0
4	Various - Various	1	1	1	1	4	3	7	0	0	0	0
5	Various - Various	1	2	2	1	4	3	7	0	0	0	0
6	Various - Various	1	1	1	1	5	2	7	0	0	0	0
7	Various - Various	1	1	1	0	0	0	0	1	10	0	10

**Remarks:**

- 1). Due to different levels of complexity, differences in equipment to be updated, and length of required time necessary for modification, the 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. Global (formally known as Functional) vs. Associated Support Site vs. Air Reserve Component Sites) 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 would be left blank as there is no way to report applicable quantities however in order to generate the P5A and P21 each element has been marked as "1".
- "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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4			<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)			<b>Item Number / Title [DODIC]:</b> All Domain Common Platform		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	2	2	2	-	2
Gross/Weapon System Cost (\$ in Millions)			-	2.224	1.893	0.963	-	0.963
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	2.224	1.893	0.963	-	0.963
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>2.224</b>	<b>1.893</b>	<b>0.963</b>	-	<b>0.963</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)			-	1.112	0.947	0.482	-	0.482

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - All Domain Common Platform Cost																		
Recurring Cost																		
Network Equipment (CAN/WAN Transport, OSF JBLE) <sup>(†)</sup>	-	-	-	1.250	1	1.250	-	-	-	-	-	-	-	-	-	-	-	-
Network Equipment (CAN/WAN Transport, 603rd AOC) <sup>(†)</sup>	-	-	-	0.974	1	0.974	-	-	-	-	-	-	-	-	-	-	-	-
Comm-IT (CER, Cisco Switches) <sup>(†)</sup>	-	-	-	-	-	-	0.718	1	0.718	-	-	-	-	-	-	-	-	-
Procurement #1 - INITIAL C2NOC/SOC EQUIPMENT FIT OUT <sup>(†)</sup>	-	-	-	-	-	-	1.175	1	1.175	-	-	-	-	-	-	-	-	-
All Domain Common Platform (C2NOC/ SOC Equipment Fit Out) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.460	1	0.460	-	-	-	0.460	1	0.460
All Domain Common Platform (C2NOC/ SOC Comm-IT Equipment Upgrades) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.503	1	0.503	-	-	-	0.503	1	0.503
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.224	-	-	1.893	-	-	0.963	-	-	-	-	-	0.963

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4						<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)						<b>Item Number / Title [DODIC]:</b> All Domain Common Platform					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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: Hardware - All Domain Common Platform Cost</i>	-	-	-	-	-	2.224	-	-	1.893	-	-	0.963	-	-	-	-	-	0.963
<b>Gross/Weapon System Cost</b>	-	-	-	1.112	2	2.224	0.947	2	1.893	0.482	2	0.963	-	-	-	0.482	2	0.963

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	2	2	2	-	2
	Total Obligation Authority	2.224	1.893	0.963	-	0.963
<b>Total:</b>	<b>Quantity</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>2</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>2.224</b>	<b>1.893</b>	<b>0.963</b>	<b>-</b>	<b>0.963</b>

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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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
Network Equipment (CAN/WAN Transport, OSF JBLE) <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	1.250	Y		
Network Equipment (CAN/WAN Transport, 603rd AOC) <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Feb 2023	Apr 2023	1	0.974	Y		
Comm-IT (CER, Cisco Switches) <sup>(†)</sup>		2023	Various / Various	Various	Hanscom AFB	Jan 2023	Apr 2023	1	0.718	Y		
Procurement #1 - INITIAL C2NOC/SOC EQUIPMENT FIT OUT <sup>(†)</sup>		2023	ADS, Inc / Defense Logistics Agency	MIPR	ACC	May 2023	Jul 2023	1	1.175	Y		
All Domain Common Platform (C2NOC/SOC Equipment Fit Out) <sup>(†)</sup>		2024	TBD / Various	Various	ACC	Jan 2024	Mar 2024	1	0.460	Y		
All Domain Common Platform (C2NOC/SOC Comm-IT Equipment Upgrades) <sup>(†)</sup>		2024	TBD / Various	MIPR	ACC	Jun 2024	Dec 2024	1	0.503	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							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			
Network Equipment (CAN/WAN Transport, OSF JBLE)																																	
1	2022	AF		1	0	1																								0			
Network Equipment (CAN/WAN Transport, 603rd AOC)																																	
2	2022	AF		1	0	1																								0			
Comm-IT (CER, Cisco Switches)																																	
3	2023	AF		1	0	1																								0			
Procurement #1 - INITIAL C2NOC/SOC EQUIPMENT FIT OUT																																	
4	2023	AF		1	0	1																								0			
All Domain Common Platform (C2NOC/SOC Equipment Fit Out)																																	
5	2024	AF		1	0	1																								0			
All Domain Common Platform (C2NOC/SOC Comm-IT Equipment Upgrades)																																	
6	2024	AF		1	0	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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025														Fiscal Year 2026														B A L A N C E	
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 2 4	BAL D U E A S O F 1 O C T	Calendar Year 2025														Calendar Year 2026														
							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					
Network Equipment (CAN/WAN Transport, OSF JBLE)																																			
	1	2022	AF	1	1	0																							0						
Network Equipment (CAN/WAN Transport, 603rd AOC)																																			
	2	2022	AF	1	1	0																							0						
Comm-IT (CER, Cisco Switches)																																			
	3	2023	AF	1	1	0																							0						
Procurement #1 - INITIAL C2NOC/SOC EQUIPMENT FIT OUT																																			
	4	2023	AF	1	1	0																							0						
All Domain Common Platform (C2NOC/SOC Equipment Fit Out)																																			
	5	2024	AF	1	1	0																							0						
All Domain Common Platform (C2NOC/SOC Comm-IT Equipment Upgrades)																																			
	6	2024	AF	1	0	1	-	-	1																				0						
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 4	<b>P-1 Line Item Number / Title:</b> 834530 / Air & Space Operations Center (AOC)	<b>Item Number / Title [DODIC]:</b> All Domain Common Platform
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	17	2	19	0	0	0	0
2	Various - Various	1	1	1	1	17	2	19	0	0	0	0
3	Various - Various	1	1	1	1	4	3	7	0	0	0	0
4	ADS, Inc - Defense Logistics Agency	1	1	1	1	8	2	10	0	0	0	0
5	TBD - Various	1	1	1	1	4	2	6	0	0	0	0
6	TBD - Various	1	1	1	1	9	6	15	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:**  
 835060 / Base Information Transpt Infrast (BITI) Wired  
 Equip / BSA 5: Air Force Communications

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0303004F

**Line Item MDAP/MAIS Code:** N78

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	93.466	58.499	28.534	108.532	-	108.532	177.422	79.997	68.047	69.489	-	683.986
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	93.466	58.499	28.534	108.532	-	108.532	177.422	79.997	68.047	69.489	-	683.986
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>93.466</b>	<b>58.499</b>	<b>28.534</b>	<b>108.532</b>	<b>-</b>	<b>108.532</b>	<b>177.422</b>	<b>79.997</b>	<b>68.047</b>	<b>69.489</b>	<b>-</b>	<b>683.986</b>

*(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 INFORMATION TRANSPORT INFRASTRUCTURE (BITI), formerly known as INFORMATION TRANSPORT SYSTEM (ITS): BITI procures base-level network infrastructure (e.g., routers, switches, access points, controllers, cables, and other IT-networking equipment) for unclassified and classified Air Force intranet communications. FY24 funding increase is driven by the procurement and installation of more equipment per base to holistically upgrade the wired and wireless base-level IT network infrastructure. The funding enables a more aggressive Department of the Air Force (DAF) strategy to Base Area Network (BAN) equipment replacement at each installation to improve base readiness and increase the resiliency of Air Force Network (AFNET) communications as the Air Force transitions bases to a wartime posture. This Base Infrastructure Modernization (BIM) approach to upgrading BAN equipment also directly supports the DAF's transition to Enterprise Information Technology as a Service (EITaaS).

BITI delivers base-level Air Force cyberspace network and integrated information infrastructure for Air Force installations (active duty, reserve, and Air National Guard (ANG)) and Geographically Separated Units (GSU) at approved locations. BITI capabilities encompass base level information transport systems both wired and wireless to support base needs of digital voice/data/video systems, commercial device connectivity, Unified Capabilities (UC) and the systems to manage, protect and maintain the Air Forces networks. BITI provides a robust and secure infrastructure that incorporates high-availability and multi-tiered network connections at approved facilities to support Airmen. The efforts in this program budget line, through its various increments and major projects and coupled with efforts of other Air Force IT portfolios, ensure the fielding, support and sustainment of enterprise information transport systems while enabling the evolution of network technological improvements that include, but are not limited to, data center consolidation, cloud-based services, and mobile computing. BITI ensures that operating locations have the needed infrastructure, bandwidth, and overall network capability to support current and future communication (NIPR and SIPR) needs of the Air Force and Combatant Command warfighters.

BITI Recapitalization: Continues legacy segmented approach through FY26 to upgrade critical core equipment to address emergent critical failures at select bases. BITI Recapitalization replaces fielded "backbone" infrastructure of network equipment for Air Force installations (active duty, reserve, and ANG) and at approved GSUs. More comprehensive recapitalizations may be required as part of technology insertion to ensure the fielding, support, and sustainment of mission capable Enterprise IT transport to fulfill warfighter information needs.

Base Infrastructure Modernization (BIM): Formerly known as BITI Reset, BIM procures and delivers necessary equipment for a comprehensive, holistic modernization of the wired and wireless Base Area Network infrastructure for both NIPR and SIPR. This supports the base-level Air Force cyberspace network and integrated information infrastructure for Department of the Air Force installations (AF & USSF active duty, reserve, and ANG) and GSU at approved locations. BIM supports the DAF initiative to utilize an Enterprise IT as a Service (EITaaS) model for IT network operations and maintenance. BIM provides base network infrastructure that helps remediate current bandwidth and performance issues experienced DAF wide and can support growing Service IT demands and requirements for both NIPR and SIPR. BIM will increase data to decision speeds, which is foundational to supporting emerging mission communication requirements such as Flight Line of the Future (FLoF), Operational Imperatives, Advanced Battle Management Systems (ABMS), and Joint All Domain Command and Control (JADC2).

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force			<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		<b>P-1 Line Item Number / Title:</b> 835060 / Base Information Transpt Infrast (BITI) Wired	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0303004F	
<b>Line Item MDAP/MAIS Code:</b> N78			

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 is contained in PE 0303004F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	56.499	26.097	108.532	-	108.532	177.422	79.997	68.047	69.489
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.375	1.668	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.625	0.769	-	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>58.499</b>	<b>28.534</b>	<b>108.532</b>	-	<b>108.532</b>	<b>177.422</b>	<b>79.997</b>	<b>68.047</b>	<b>69.489</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 835060 / Base Information Transpt Infrast (BITI) Wired Equip / BSA 5: Air Force Communications

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0303004F

**Line Item MDAP/MAIS Code:** N78

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / BITI Mod/Recaps (Capability Improvement)		A		- / 93.466	- / 58.499	- / 28.534	- / 108.532	- / 0.000	- / 108.532
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 93.466</b>	<b>- / 58.499</b>	<b>- / 28.534</b>	<b>- / 108.532</b>	<b>- / -</b>	<b>- / 108.532</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / BITI Mod/Recaps (Capability Improvement)		A		- / 177.422	- / 79.997	- / 68.047	- / 69.489	- / -	- / 683.986
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 177.422</b>	<b>- / 79.997</b>	<b>- / 68.047</b>	<b>- / 69.489</b>	<b>- / -</b>	<b>- / 683.986</b>

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 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 efforts include, but are not limited to, site surveys, installations, and Program Support Costs (PSC) contractor services.

Investment in this PE continues replacement of BITI fielded systems for approved Department of Air Force (DAF) installations. Funding is necessary for government ownership of critical Air Force network IT transport infrastructure that will be operated and maintained by a services provider and whose unit costs exceed expense threshold.

Request Technical Adjustment of \$214.172M from Operation and Maintenance, Air Force Subactivity Group 11Z Base Support to Other Procurement, Air Force Base Information Transport Infrastructure (BITI) Wired budget line item 835060. Funding realignment supports procurement of base information transport infrastructure upgrades as part of DAF's approved Enterprise Information Technology as a Service (EITaaS) acquisition strategy implementation which separates infrastructure upgrades (OPAF) from infrastructure operation and maintenance (O&M, AF) at each installation.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835060 / Base Information Transpt Infrast (BITI) Wired	<b>Modification Number / Title:</b> 1 / BITI Mod/Recaps
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	93.466	58.499	28.534	108.532	0.000	108.532	177.422	79.997	68.047	69.489	-	683.986
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	93.466	58.499	28.534	108.532	0.000	108.532	177.422	79.997	68.047	69.489	-	683.986
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>93.466</b>	<b>58.499</b>	<b>28.534</b>	<b>108.532</b>	<b>0.000</b>	<b>108.532</b>	<b>177.422</b>	<b>79.997</b>	<b>68.047</b>	<b>69.489</b>	-	<b>683.986</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY24, installation costs are included in the B Kit equipment costs. An end item for BITI comprises equipment and installation.

BITI Recapitalization: Beginning in FY19, continues to replace BITI fielded systems for approved Department of Air Force (DAF) installations.

BIM: Beginning in FY24, holistically replaces wired and wireless base area network IT infrastructure and Enterprise IT network connection equipment. Unit Cost of each base varies based on location and network complexity; difference indicated by size (i.e., S, M, L, and XL).

NOTE: Direction in January 2016 was to begin reporting the modification effort for BITI on a P-3a exhibit starting for FY18 and beyond.

Milestone/Development Status

Sustainment

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	
AF	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	56.499	26.097	108.532	-	108.532	177.422	79.997	68.047	69.489
AFNG	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	1.375	1.668	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	0.625	0.769	-	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>58.499</b>	<b>28.534</b>	<b>108.532</b>	<b>0.000</b>	<b>108.532</b>	<b>177.422</b>	<b>79.997</b>	<b>68.047</b>	<b>69.489</b>



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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5					<b>P-1 Line Item Number / Title:</b> 835060 / Base Information Transpt Infrast (BITI) Wired					<b>Modification Number / Title:</b> 1 / BITI Mod/Recaps			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> BITI				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0303004F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 2: BIM</i>													
B Kits													
Recurring													
BIM:EQUIPMENT Group B (Active)	- / -	- / -	- / -	3 / 68.304	- / -	3 / 68.304	5 / 134.964	1 / 37.650	2 / 53.818	3 / 55.348	- / -	14 / 350.084	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 68.304	- / -	- / 68.304	- / 134.964	- / 37.650	- / 53.818	- / 55.348	- / -	- / 350.084	
<i>Subtotal: BIM</i>	- / -	- / -	- / -	- / 68.304	- / -	- / 68.304	- / 134.964	- / 37.650	- / 53.818	- / 55.348	- / -	- / 350.084	
<i>Modification Item 2 of 2: BITI Recapitalization</i>													
B Kits													
Recurring													
BITI Recapitalization:EQUIPMENT Group B (Active)	26 / 24.557	1 / 0.250	4 / 1.290	5 / 28.500	- / -	5 / 28.500	5 / 28.500	5 / 28.500	- / -	- / -	- / -	46 / 111.597	
BITI Recapitalization:EQUIPMENT Group B (Guard)	42 / 16.863	4 / 1.225	8 / 1.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 19.506	
BITI Recapitalization:EQUIPMENT Group B (Reserve)	0 / 0.000	2 / 0.525	3 / 0.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.279	
<i>Subtotal: Recurring</i>	- / 41.420	- / 2.000	- / 3.462	- / 28.500	- / -	- / 28.500	- / 28.500	- / 28.500	- / -	- / -	- / -	- / 132.382	
<i>Subtotal: BITI Recapitalization</i>	- / 41.420	- / 2.000	- / 3.462	- / 28.500	- / -	- / 28.500	- / 28.500	- / 28.500	- / -	- / -	- / -	- / 132.382	
<i>Subtotal: Procurement, All Modification Items</i>	- / 41.420	- / 2.000	- / 3.462	- / 96.804	- / -	- / 96.804	- / 163.464	- / 66.150	- / 53.818	- / 55.348	- / -	- / 482.466	
<b>Support (All Modification Items)</b>													
GROUP B: TOTAL NONRECURRING	- / 15.908	- / 45.444	- / 13.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.533	
PMA - Other Gov't Costs	- / 2.020	- / 1.534	- / 1.909	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.463	
A&AS	- / 9.610	- / 3.795	- / 3.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.907	
PMA - Contractor Services	- / 16.524	- / 5.226	- / 5.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.965	
PSC - Other Gov't Costs	- / -	- / -	- / -	- / 11.727	- / -	- / 11.727	- / 13.958	- / 13.847	- / 14.229	- / 14.141	- / -	- / 67.902	
<i>Subtotal: Support</i>	- / 44.062	- / 55.999	- / 23.807	- / 11.727	- / -	- / 11.727	- / 13.958	- / 13.847	- / 14.229	- / 14.141	- / -	- / 191.770	
<b>Installation</b>													
<i>Modification Item 1 of 2: BIM</i>	- / -	- / -	- / -	3 / 0.001	- / -	3 / 0.001	5 / 0.000	1 / 0.000	2 / 0.000	3 / 0.000	- / -	14 / 0.001	
<i>Modification Item 2 of 2: BITI Recapitalization</i>	68 / 7.984	7 / 0.500	15 / 1.265	5 / 0.000	- / -	5 / 0.000	5 / 0.000	5 / 0.000	- / -	- / -	- / -	105 / 9.749	
<i>Subtotal: Installation</i>	68 / 7.984	7 / 0.500	15 / 1.265	8 / 0.001	- / -	8 / 0.001	10 / -	6 / -	2 / -	3 / -	- / -	119 / 9.750	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>93.466</b>	<b>58.499</b>	<b>28.534</b>	<b>108.532</b>	<b>0.000</b>	<b>108.532</b>	<b>177.422</b>	<b>79.997</b>	<b>68.047</b>	<b>69.489</b>	<b>-</b>	<b>683.986</b>	

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**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835060 / Base Information Transpt Infrast (BITI) Wired	<b>Modification Number / Title:</b> 1 / BITI Mod/Recaps
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

**Modification Item 1 of 2:** BIM

**Manufacturer Information**

Manufacturer Name: TBD/Multiple Manufacturer Location: TBD

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 0

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates			Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028
Delivery Dates			Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2024	- / -	- / -	- / -	3 / 0.001	- / -	3 / 0.001	- / -	- / -	- / -	- / -	- / -	3 / 0.001
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.000	- / -	- / -	- / -	- / -	5 / 0.000
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	- / -	1 / 0.000
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.000	- / -	- / -	2 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.000	- / -	3 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	- / -	3 / 0.001	- / -	3 / 0.001	5 / 0.000	1 / 0.000	2 / 0.000	3 / 0.000	- / -	14 / 0.001

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	5	-	-	-	1	-	-	-	2	-	-	-	3	-	0	14
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	5	-	-	-	1	-	-	-	2	3	0	14

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force											<b>Date:</b> March 2023																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5						<b>P-1 Line Item Number / Title:</b> 835060 / Base Information Transpt Infrast (BITI) Wired						<b>Modification Number / Title:</b> 1 / BITI Mod/Recaps																			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A											<b>MDAP/MAIS Code:</b>																				
<b>Modification Item 2 of 2:</b> BITI Recapitalization																															
<b>Manufacturer Information</b>																															
Manufacturer Name: TBD/Multiple											Manufacturer Location: TBD																				
Administrative Leadtime (in Months): 1											Production Leadtime (in Months): 0																				
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>																								
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2025																									
Delivery Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2025																									
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Contractor Facility																															
<b>Installation Cost</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	68 / 7.984	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 7.984																		
FY 2022	- / -	7 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.500																		
FY 2023	- / -	- / -	15 / 1.265	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.265																		
FY 2024	- / -	- / -	- / -	5 / 0.000	- / -	5 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.000																		
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.000	- / -	- / -	- / -	- / -	- / -	5 / 0.000																		
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.000	- / -	- / -	- / -	- / -	5 / 0.000																		
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	68 / 7.984	7 / 0.500	15 / 1.265	5 / 0.000	- / -	5 / 0.000	5 / 0.000	5 / 0.000	- / -	- / -	- / -	- / -	105 / 9.749																		
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	68	4	3	-	-	-	15	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	0	105
Out	63	-	-	5	4	-	3	-	-	-	15	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	-	-	-	0	105

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications	<b>P-1 Line Item Number / Title:</b> 835080 / AFNET
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0208088F, 0303089F, 0303112F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	203.280	65.354	78.027	154.911	-	154.911	59.177	60.377	60.081	73.148	-	754.355
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	203.280	65.354	78.027	154.911	-	154.911	59.177	60.377	60.081	73.148	-	754.355
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>203.280</b>	<b>65.354</b>	<b>78.027</b>	<b>154.911</b>	<b>-</b>	<b>154.911</b>	<b>59.177</b>	<b>60.377</b>	<b>60.081</b>	<b>73.148</b>	<b>-</b>	<b>754.355</b>

*(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:**

These programs support Cyberspace Activities

Air Force Network (AFNET) provides Commercial Off-The-Shelf (COTS) solutions to implement, deliver, and upgrade the IT equipment and technology (e.g., firewalls, routers, servers etc.) that constitutes the Air Force's wide area network (WAN). The systems procured in this budget line provide the equipment and technology for Air Force Information Network Operations (AFINOps), which includes technology for network defense. This program includes the defense in depth cybersecurity capabilities critical to protecting AFNET data and the Air Force strategic entry points into the DoD Information Network (DODIN).

The FY24 funding increase is driven by investments in replacing the current AFNET Gateway boundary equipment, completed in 2017, with the Next Generation Gateway capability. This investment supports upgrades of critical IT infrastructure at Air Force installations to defend the AFNET against peer adversary aggression. The Next Generation Gateways provide a boundary protection capability that supports implementation of zero trust cybersecurity principles. The fielding of Next Generation Gateways provides foundational infrastructure for zero trust and software defined WAN (SD-WAN) implementation. Program Support Costs (PSC) contractor services provide critical systems engineering for implementing this capability in accordance with Zero Trust principles and enable equipment fielding.

Other projects include installation processing nodes, Information Management Suite (IMS), SIPRNet C2 Nodes, Dual Path Resiliency (DPR) base boundary upgrades, enterprise network security, network situational awareness and C2 capabilities that allows 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 DoD standards and specifications. The procurement efforts in this program budget line include, but are not limited to, system equipment, engineering/integration, certification and accreditation, deployment, testing, training equipment/systems, associated training and interim contractor support. All activities may incorporate support to other program elements across the Air Force Information Enterprise in accordance with SAF/CIO direction.

PE 0303089F, CYBERSPACE OPERATIONS SYSTEMS

This PE executes requirements for both AFINC and CSCS weapon systems. Funds may be used for other AFNET requirements if required.

(1) AIR FORCE INTRANET CONTROL (AFINC): Procures and installs equipment for network operations, network defense and overall management of the AFNET Gateways (GWs), the Information Management Suite (IMS) and the base Service Delivery Point Routers as well as the Air Force discrete requirements associated with AFNET cybersecurity and will implement in accordance with Zero Trust principles.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		<b>P-1 Line Item Number / Title:</b> 835080 / AFNET
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0208088F, 0303089F, 0303112F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>(2) CYBERSPACE SECURITY AND CONTROL SYSTEM (CSCS): Procures and installs capabilities contributing to cyber mission assurance, including proactive defense and persistent network operations for the Air Force, the Air Force-provisioned portions of the DoD Information Network (DoDIN), and the Air Force Information Network (AFIN). CSCS modifications support the following activities: fault resolution to maintain operational capabilities; lead-in coordination activities at base-level Network Control Centers for necessary network security actions; monitoring of AF network services; managing of boundary protection devices and the Air Force network infrastructure; and continuous network situational awareness.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:**  
 835080 / AFNET  
 Equip / BSA 5: Air Force Communications

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0208088F, 0303089F, 0303112F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / AFINC/CSCS WS 0303089 (Reliability & Maintainability)		A		- / 203.280	- / 65.354	- / 78.027	- / 154.911	- / 0.000	- / 154.911
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 203.280</b>	<b>- / 65.354</b>	<b>- / 78.027</b>	<b>- / 154.911</b>	<b>- / -</b>	<b>- / 154.911</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / AFINC/CSCS WS 0303089 (Reliability & Maintainability)		A		- / 59.177	- / 60.377	- / 60.081	- / 73.148	- / -	- / 754.355
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 59.177</b>	<b>- / 60.377</b>	<b>- / 60.081</b>	<b>- / 73.148</b>	<b>- / -</b>	<b>- / 754.355</b>

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0303089F, CYBERSPACE OPERATIONS SYSTEMS  
 FY24 Air Force Network (AFNET) (835080) funding provides for, but is not limited to, procurement and transformation of the installed and supported critical classified and unclassified information equipment capabilities for the AFNET Systems, modification efforts within two cyber weapon systems Air Force Intranet Control (AFINC) and Cyberspace Security and Control (CSCS), and transformation/establishment of Air Force Information Operations (AFINOps) to DoD standards and specification.

AFINC includes, but is not limited to, Gateway e-mail security/DNS upgrades, Dual Path Resiliency, Enclave NIPR Firewall and ASIM Sustainment (ENFASS) (previously under Air Force Cyberspace Defense (ACD)), base boundaries, and SDP Router tech refresh. CSCS includes, but is not limited to, Vulnerability Management, Area Processing Center and Regional Data Center Consolidations, Installation Service Nodes (ISNs), Active Directory Exchange (ADX) and Host Based Security System (HBSS), Comply to Connect, 2 Factor Authentication (2FA), and Zero Trust and base boundaries.

FY24 large increase is due to the investment to upgrade critical information technology infrastructure needed to defend against adversary aggression. The funding supports investments in the Next Generation Gateways capability. The Next Generation Gateway provides a boundary protection capability for AFNET that enables implementation of zero trust cybersecurity principles. The fielding of Next Generation Gateways provide foundational infrastructure for zero trust and software defined wide area network implementation. Program Support Costs (PSC) contractor services provide critical systems engineering for implementing in accordance with Zero Trust principles and enable fielding.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835080 / AFNET	<b>Modification Number / Title:</b> 1 / AFINC/CSCS WS 0303089

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	203.280	65.354	78.027	154.911	0.000	154.911	59.177	60.377	60.081	73.148	-	754.355
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	203.280	65.354	78.027	154.911	0.000	154.911	59.177	60.377	60.081	73.148	-	754.355
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>203.280</b>	<b>65.354</b>	<b>78.027</b>	<b>154.911</b>	<b>0.000</b>	<b>154.911</b>	<b>59.177</b>	<b>60.377</b>	<b>60.081</b>	<b>73.148</b>	<b>-</b>	<b>754.355</b>

*(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:**

PE 0303089F, CYBERSPACE OPERATIONS SYSTEMS

This PE executes requirements for both AFINC and CSCS weapon systems. Funds may be used for other AFNET requirements if required.

(1) AIR FORCE INTRANET CONTROL (AFINC): Procures and installs equipment for network operations, network defense and overall management of the AF AFNET Gateways (GW), the Information Management Suite (IMS) and the base Service Delivery Point Routers as well as the Air Force discrete requirements associated with AFNET cybersecurity and enabling transition to a Zero Trust cybersecurity environment. Efforts include but are not limited to: AFNET GWs, which deliver critical network defense capabilities for the AF enterprise with more than 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 and automatically initiate network defense countermeasures to eliminate the adversary's ability to gain access to the enterprise. The IMS provides the Air Force with secure, real time, out of band network management for the weapon system infrastructure and unifies the management/defense of AF networks and assets. Funding includes recapitalization of the IMS, Gateways, as well as procures equipment upgrades that directly relate to the migration of AF traffic and technology transition to a Zero Trust environment.

(2) CYBERSPACE SECURITY AND CONTROL SYSTEM (CSCS): Procures and installs capabilities contributing to cyber mission assurance, including proactive defense and persistent network operations for the Air Force, the Air Force-provisioned portions of the DoD Information Network (DoDIN), and the Air Force Information Network (AFIN). CSCS modifications support the following activities: fault resolution to maintain operational capabilities; lead-in coordination activities at base-level Network Control Centers for necessary network security actions; monitoring of AF network services; managing of boundary protection devices and the Air Force network infrastructure; and continuous network situational awareness. Efforts include but are not limited to: Data Center Consolidation; upgrade to the Core Services and the Air Force Vulnerability Management (AFVM) and Network Management capabilities.

FY24 funds will procure modifications for CSCS and AFINC. CSCS includes, but is not limited to, Vulnerability Management, Area Processing Center and Regional Data Center Consolidations, Installation Service Nodes (ISNs), Active Directory Exchange (ADX) and Host Based Security System (HBSS), Comply to Connect, 2 Factor Authentication (2FA), and Zero Trust. AFINC includes, but is not limited to, Gateway e-mail security/DNS upgrades, Next Generation Gateways (NGG), Enclave NIPR Firewall and ASIM Sustainment (ENFASS) (previously under Air Force Cyberspace Defense (ACD)), base boundaries, and SDP Router tech refresh.

Milestone/Development Status

Sustainment



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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5				<b>P-1 Line Item Number / Title:</b> 835080 / AFNET				<b>Modification Number / Title:</b> 1 / AFINC/CSCS WS 0303089				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> AFINC-CSCS-WS			<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> AFINC/CSCS WS MODs												
B Kits												
Recurring												
AFINC/CSCS WS MODs:EQUIPMENT Group B (Active)	2 / 174.642	1 / 53.255	1 / 62.117	1 / 139.671	- / -	1 / 139.671	1 / 45.766	1 / 46.320	1 / 45.653	1 / 57.648	- / -	9 / 625.072
<i>Subtotal: Recurring</i>	- / 174.642	- / 53.255	- / 62.117	- / 139.671	- / -	- / 139.671	- / 45.766	- / 46.320	- / 45.653	- / 57.648	- / -	- / 625.072
<i>Subtotal: AFINC/CSCS WS MODs</i>	- / 174.642	- / 53.255	- / 62.117	- / 139.671	- / -	- / 139.671	- / 45.766	- / 46.320	- / 45.653	- / 57.648	- / -	- / 625.072
<i>Subtotal: Procurement, All Modification Items</i>	- / 174.642	- / 53.255	- / 62.117	- / 139.671	- / -	- / 139.671	- / 45.766	- / 46.320	- / 45.653	- / 57.648	- / -	- / 625.072
<b>Support (All Modification Items)</b>												
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 0.000	- / -	- / 0.000	- / 0.000	- / -	- / -	- / -	- / -	- / 0.000
PMA - Contractor Services	- / 127.363	- / 11.543	- / 14.887	- / 14.319	- / -	- / 14.319	- / 12.761	- / 13.382	- / 13.732	- / 14.500	- / -	- / 122.487
PMA - Other Gov't Costs	- / 1.275	- / 0.556	- / 1.023	- / 0.921	- / -	- / 0.921	- / 0.650	- / 0.675	- / 0.696	- / 1.000	- / -	- / 6.796
<i>Subtotal: Support</i>	- / 28.638	- / 12.099	- / 15.910	- / 15.240	- / -	- / 15.240	- / 13.411	- / 14.057	- / 14.428	- / 15.500	- / -	- / 129.283
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>203.280</b>	<b>65.354</b>	<b>78.027</b>	<b>154.911</b>	<b>0.000</b>	<b>154.911</b>	<b>59.177</b>	<b>60.377</b>	<b>60.081</b>	<b>73.148</b>	<b>-</b>	<b>754.355</b>

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5			<b>P-1 Line Item Number / Title:</b> 835080 / AFNET			<b>Modification Number / Title:</b> 1 / AFINC/CSCS WS 0303089	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> AFINC/CSCS WS MODs							
<b>Manufacturer Information</b>							
Manufacturer Name: Multiple				Manufacturer Location: Various			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates	May 2022	May 2023	May 2024	May 2025	May 2026	May 2027	May 2028
Delivery Dates	May 2023	May 2024	May 2025	May 2026	May 2027	May 2028	May 2029
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 9		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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): B **Program Elements for Code B Items:** 0207422F **Other Related Program Elements:** 0207442F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	4.377	5.199	5.381	-	5.381	5.817	5.941	6.149	6.280	-	39.144
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.377	5.199	5.381	-	5.381	5.817	5.941	6.149	6.280	-	39.144
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.377</b>	<b>5.199</b>	<b>5.381</b>	-	<b>5.381</b>	<b>5.817</b>	<b>5.941</b>	<b>6.149</b>	<b>6.280</b>	-	<b>39.144</b>

*(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:**

JOINT COMMUNICATION SUPPORT ELEMENT (JCSE): Aligned under Joint Enabling Capabilities Command (JECC), US Transportation Command (USTRANSCOM) - JCSE is the only Department of Defense (DOD) organization specifically formed that provides contingency and crisis communications to meet the operational support needs of the Joint Chiefs of Staff (JCS), Combatant Commands (CC), DOD agencies and non-DOD agencies. JCSE mission is to provide rapidly deployable, en route, early entry, and scalable coalition command, control, computers, intelligence, surveillance, and reconnaissance (C4ISR) capability to CCs and other agencies as directed to facilitate rapid establishment and transitions of JFHQs and bridge joint communications requirements. JCSE seamlessly scales C4ISR support for up to four conventional or unconventional JFHQs. JCSE has a robust 24/7 reach back capability through its Global Enterprise Network and has access to a full range of DOD and commercial networks.

To consistently deliver state of the art technology solutions to meet emergent CC operational communications requirements, JCSE relies on the Modernization Program as outlined in Director, Joint Staff Memorandum (DJSM) 0148-20 whereby services are mandated to apportion and program procurement funds each year to support JCSE's Modernization Program. Per Defense Planning Guidance and DJSM 0148-20, the Air Force is mandated to fund 1/3rd of \$16.039M fair share of JCSEs validated Modernization Program. JCSE's Modernization Program is based on CC and Service Components requirements and emerging technologies. The Services influence JCSEs spending plan through recommendations in concert with Major Defense Acquisition Program (MDAP) schedules, ensuring the Service monies meet Joint Service Requirements.

Funding for this exhibit is contained in PE 0207422F, Deployable Command Control and Communications Systems.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 835110 / Joint Communications Support Element (JCSE)  
**Equip / BSA 5: Air Force Communications**

**ID Code** (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207422F **Other Related Program Elements:** 0207442F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Joint Communications Support Element (JCSE)	P-5a, P-21	B		- / -	- / 4.377	- / 5.199	- / 5.381	- / -	- / 5.381
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 4.377</b>	<b>- / 5.199</b>	<b>- / 5.381</b>	<b>- / -</b>	<b>- / 5.381</b>

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 base funding procures communications equipment in concert with Strategic Planning Guidance, Joint All Domain Command and Control (JADC2) architecture and CC JTF capability requests. This includes maximum capabilities for narrowband, wide band and protected satellite communications (SATCOM) terminals and systems, tactical radios, terrestrial communications systems and satellite hubs. Funding also procures networking elements, virtual appliances, Video Teleconferencing (VTC) capabilities, alternative power solutions, airborne/en route, Forced entry, cyber security, Denied, Degraded C2 Environments (D2C2E), and mobile joint C2 requirements. Advancements in technology, especially in commercial off-the-shelf solutions continue to provide opportunities to modernize JCSEs equipment sets with enhanced capabilities to support Delayed/Disconnected Intermittent Low Bandwidth (DDIL) and zero trust capabilities with the smallest footprint, enhanced cyber security, reduced operations and maintenance costs and seamless integration with the Department of Defense Information Network (DODIN) and the Joint Information Environment (JIE). The equipment is a critical part of delivering scalable C4ISR across the full spectrum of operations for the JFHQ that is in line with the JADC2 framework and the direction of C3 modernization.

This line funds the Department of the Air Force's portion of the total JCSE Modernization Program (\$16.039M). This program is jointly funded by the Army, Navy, and Air Force.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835110 / Joint Communications Support Element (JCSE)	<b>Item Number / Title [DODIC]:</b> Joint Communications Support Element (JCSE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	4.377	5.199	5.381	-	5.381
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.377	5.199	5.381	-	5.381
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.377</b>	<b>5.199</b>	<b>5.381</b>	-	<b>5.381</b>

*(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	0.000	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware - Joint Communications Support Element (JCSE) Cost																		
Recurring Cost																		
Hardware <sup>(t)</sup>	-	-	-	4.377	1	4.377	5.199	1	5.199	5.381	1	5.381	-	-	-	5.381	1	5.381
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.377	-	-	5.199	-	-	5.381	-	-	-	-	-	5.381
<i>Subtotal: Hardware - Joint Communications Support Element (JCSE) Cost</i>	-	-	-	-	-	<b>4.377</b>	-	-	<b>5.199</b>	-	-	<b>5.381</b>	-	-	-	-	-	<b>5.381</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>4.377</b>	-	-	<b>5.199</b>	-	-	<b>5.381</b>	-	-	-	-	-	<b>5.381</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5			<b>P-1 Line Item Number / Title:</b> 835110 / Joint Communications Support Element (JCSE)				<b>Item Number / Title [DODIC]:</b> Joint Communications Support Element (JCSE)					

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
Hardware <sup>(†)</sup>		2022	Various/TBD / MacDill AFB	PO	AMC	Apr 2022	Sep 2022	1	4.377	N	Mar 2022	Feb 2022
Hardware <sup>(†)</sup>		2023	Various/TBD / MacDill AFB	PO	AMC	Feb 2023	Aug 2023	1	5.199	N	Jan 2023	Jan 2023
Hardware <sup>(†)</sup>		2024	Various/TBD / MacDill, AFB	PO	AMC	Feb 2024	Aug 2024	1	5.381	N	Dec 2023	Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 5 **P-1 Line Item Number / Title:** 835110 / Joint Communications Support Element (JCSE) **Item Number / Title [DODIC]:** Joint Communications Support Element (JCSE)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022											Fiscal Year 2023											B A L A N C E								
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022											Calendar Year 2023																		
							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					
Hardware																																				
	1	2022	AF	1	0	1												A	-	-	-	-	-	1												0
	1	2023	AF	1	0	1												A - - - - - 1											0							
	2	2024	AF	1	0	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						

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835110 / Joint Communications Support Element (JCSE)	<b>Item Number / Title [DODIC]:</b> Joint Communications Support Element (JCSE)
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025										BALANCE			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025													
							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
Hardware																														
	1	2022	AF		1	0																								0
	1	2023	AF		1	0																								0
	2	2024	AF		0	1																								0



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5		<b>P-1 Line Item Number / Title:</b> 835110 / Joint Communications Support Element (JCSE)
<b>Item Number / Title [DODIC]:</b> Joint Communications Support Element (JCSE)		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various/TBD - MacDill AFB				0	0	0	0	0	0	0	0	0
2	Various/TBD - MacDill, AFB	1	1	1	1	5	6	11	0	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 835140 / USCENTCOM  
 Equip / BSA 5: Air Force Communications

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	18.101	11.896	18.025	-	18.025	19.486	19.900	20.594	21.030	-	129.032
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	18.101	11.896	18.025	-	18.025	19.486	19.900	20.594	21.030	-	129.032
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>18.101</b>	<b>11.896</b>	<b>18.025</b>	-	<b>18.025</b>	<b>19.486</b>	<b>19.900</b>	<b>20.594</b>	<b>21.030</b>	-	<b>129.032</b>

*(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:**

PE 0201122F USCENTCOM COMMUNICATIONS

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 Direct War Enduring Costs (DWEC). 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.

Funding for this effort is contained in PE 0201122F USCENTCOM Communications.

USCENTCOM COMMAND AND CONTROL SYSTEMS: Effort will provide end of life 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 mission partner networks such as but not limited to: CENTCOM Partner Network (CPN), CENTCOM Partner Network Extended (CPN-X), Mission Partner Environment Information System (MPE-IS), and other coalition partner networks which provide secure networks for bilateral / multilateral information sharing up to the SECRET RELEASABLE level.

Additionally, to provide proper C4 capabilities the USCENTCOM communication architecture must transform to support operations through the Command's Collaborative Partner Environment (CPE). CPE is about seamless access to data and applications across multiple devices and networks. CPE is crucial to USCENTCOM's future C2 ability and to support the speed of warfare and its ever-increasing speed of the decision and targeting cycles as envisioned by the Combined JADC2 concepts. The CPE also seeks to utilize emerging technologies associated with transition of capabilities to the cloud and in conjunction with JADC2. USCENTCOM will use these funds to immediately migrate to Federated DoD Office 365 Cloud to streamline IT management across users, devices, apps, and services, integrating with infrastructure and enabling IT to consolidate and simplify without losing control of your environment. Additionally, these funds will be used to seek solutions to support maximum data storage capacity requirements for HQ war records collection, and uninterrupted power supply (UPS) required for the command's collateral classified and unclassified data networks. This equipment will provide HQ USCENTCOM with effective C4 systems to effectively conduct current and future operations throughout the AOR.

PE 0201131F Service Support To USCENTCOM Communications (SVC SPT USCENTCOM COMMS)

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 5: Air Force Communications		<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Service Support To USCENTCOM Communications formerly known as Air Forces United States Central Command (AFCENT) is the ACC component designated to support USCENTCOM operations in deployed theaters for the AF. Funds C4 systems throughout the 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. SVC SPT USCENTCOM COMMS funds/support our portion of CENTCOM directed mission partner initiatives such as CPN-X to ensure interoperability.</p> <p>Funding for this effort is contained in PE 0201131F SVC SPT USCENTCOM COMMS</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 835140 / USCENTCOM  
 Equip / BSA 5: Air Force Communications

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	USCENTCOM Communications	P-5a, P-21	A		- / -	- / 4.231	- / 4.070	- / 4.214	- / -	- / 4.214
P-5	Service Support to USCENTCOM - Communications	P-5a, P-21	A		- / -	- / 13.870	- / 7.826	- / 13.811	- / -	- / 13.811
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 18.101	- / 11.896	- / 18.025	- / -	- / 18.025

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0201122F USCENTCOM COMMUNICATIONS

USCENTCOM COMMAND AND CONTROL SYSTEMS: FY24 funding is needed to transition all current USCENTCOM networking and computer-based operations, including secure information to the Cloud Computing Environment. USCENTCOM currently supports two headquarters, a liaison office in the Pentagon, Security Cooperation Organizations (SCO) sites in the USCENTCOM AOR, and a data back-up disaster recovery (DR) location (SITE X) to maintain operations and mission support by providing access to necessary data in real-time, enable decision making and command and control (C2) capabilities. The HQ USCENTCOM C4 staff supports 18 networks. HQ USCENTCOM estimates a minimum of 10,250 user accounts as well as computers and peripherals for SIPRNet, NIPRNet, and multiple coalition networks. USCENTCOM Collaborative Partner Environment (CPE) will consolidate numerous coalition/partner networks to provide a more responsive and flexible mission command capability that will support cost avoidance in creating new coalition/partner networks for future operations and exercises, but the initial CPE network requires funding to build and maintain.

PE 0201131F SVC SPT USCENTCOM COMMUNICATIONS FY24 funds will provide:

BASE COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, AND INTELLIGENCE (C4I) INFRASTRUCTURE. This effort will support communications CENTCOM Theater Posture Plan (TPP) locations identified for post OEF support. This effort is required at several SVC SPT USCENTCOM COMMUNICATIONS locations in the AOR and will provide critical infrastructure to support the transition to the Joint Information Environment, as required by DoD CIO mandate. Mode 5 mandate requires AFCENT obtain transition devices for theater radars to ensure proper C2. Developing infrastructure must be funded to support counter Unmanned Aircraft System technologies and new technologies for air domain awareness. Replacement for aged Air Traffic Control And Landing Systems equipment is required.

Southwest Asia - THEATER ENTERPRISE REQUIREMENTS - SVC SPT USCENTCOM COMMS must procure new system to support contingency operations and base opening/closure requirements, which average 2 base openings and closing per year regardless of new or ongoing contingencies. A new Jordanian Base (MSAB) has been added to the enduring base list and commercialization projects are underway to complete transition from tactical support to enduring infrastructure.

JOINT INFORMATION ENVIRONMENT: Implementation of JIE at MacDill AFB with SAF/AA establishing a global node at HQ USCENTCOM. HQ USCENTCOM will collaborate with the DoD stakeholder community to implement the Joint Information Environment to include cloud infrastructure and digital transformation capabilities.

These efforts 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 C2 efforts. Includes integration of Coalition operations into our Combined Air Operations Center at Al Udeid AB.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	4.231	4.070	4.214	-	4.214
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	4.231	4.070	4.214	-	4.214
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>4.231</b>	<b>4.070</b>	<b>4.214</b>	-	<b>4.214</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - USCENTCOM Communications Cost																		
Recurring Cost																		
USCENTCOM COMMAND AND CONTROL SYSTEM <sup>(†)</sup>	-	-	-	4.231	1	4.231	4.070	1	4.070	4.214	1	4.214	-	-	-	4.214	1	4.214
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.231	-	-	4.070	-	-	4.214	-	-	-	-	-	4.214
<i>Subtotal: Hardware - USCENTCOM Communications Cost</i>	-	-	-	-	-	4.231	-	-	4.070	-	-	4.214	-	-	-	-	-	4.214
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	4.231	-	-	4.070	-	-	4.214	-	-	-	-	-	4.214

**Remarks:**

USCENTCOM: Funding will be used for continuous support of episodic missions with our coalition partners via interoperable information systems and technology as well as implementing USCENTCOM migration to the DoD CIO cloud environment. To adequately address all cloud computing infrastructure, applications, management, data storage, and governance for all USCENTCOM, subordinate Services, and coalition partners we currently support, these funds are critical.

Funds are needed to transition all current USCENTCOM networking computer-based operations, including secure information to the Cloud Computing environment. USCENTCOM currently supports two headquarters, a liaison office in the Pentagon, Security Cooperation Organizations sites in the USCENTCOM AOR, and a data back-up disaster recover location to maintain operations and mission support by providing access to necessary data in real-time, enable decisions making and command and control capabilities. HQ USCENTCOM estimates a minimum of 10,250 user accounts as well as computers and peripherals for SIPRNet, NIPRNet, and multiple coalition networks. Mission Partner Environment-Information Systems will consolidate numerous coalition/partner networks to provide a more responsive and flexible mission command capability that will support cost avoidance in creating new coalition/partner networks for future operations and exercises, but the initial MPE-IS network requires funding to build and maintain.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications
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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
USCENTCOM COMMAND AND CONTROL SYSTEM <sup>(†)</sup>		2022	6 Cons / MacDill AFB	PO	USCENTCOM	Jan 2022	Jul 2022	1	4.231	Y		Nov 2021
USCENTCOM COMMAND AND CONTROL SYSTEM <sup>(†)</sup>		2023	6 Cons / MacDill AFB	PO	USCENTCOM	Jan 2023	Jul 2023	1	4.070	Y		Nov 2022
USCENTCOM COMMAND AND CONTROL SYSTEM <sup>(†)</sup>		2024	6 Cons / MacDill AFB	PO	USCENTCOM	Jan 2024	Jul 2024	1	4.214	Y		Nov 2023

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
USCENTCOM COMMAND AND CONTROL SYSTEM																																	
1		2022	AF	1	0	1																							A - - - - - - - - - - 1		0		
1		2023	AF	1	0	1																							A - - - - - - - - - - 1		0		
1		2024	AF	1	0	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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
USCENTCOM COMMAND AND CONTROL SYSTEM																																			
	1	2022	AF	1	1	0																								0					
	1	2023	AF	1	1	0																								0					
	1	2024	AF	1	0	1				A	-	-	-	-	-	-	1													0					
							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					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5				<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM				<b>Item Number / Title [DODIC]:</b> USCENTCOM Communications				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	6 Cons - MacDill AFB			2	0	4	6	10	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM	<b>Item Number / Title [DODIC]:</b> Service Support to USCENTCOM - Communications

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	13.870	7.826	13.811	-	13.811
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	13.870	7.826	13.811	-	13.811
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>13.870</b>	<b>7.826</b>	<b>13.811</b>	-	<b>13.811</b>

*(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 sum exactly due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Support - Service Support to USCENTCOM - Communications Cost</b>																		
44000 <sup>(†)</sup>	-	-	-	10.750	1	10.750	6.200	1	6.200	13.811	1	13.811	-	-	-	13.811	1	13.811
<i>Subtotal: Support - Service Support to USCENTCOM - Communications Cost</i>	-	-	-	-	-	<b>10.750</b>	-	-	<b>6.200</b>	-	-	<b>13.811</b>	-	-	-	-	-	<b>13.811</b>
<b>Support - USCENTCOM - Communications Cost</b>																		
44000	-	-	-	-	-	3.120	-	-	1.626	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - USCENTCOM - Communications Cost</i>	-	-	-	-	-	<b>3.120</b>	-	-	<b>1.626</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>13.870</b>	-	-	<b>7.826</b>	-	-	<b>13.811</b>	-	-	-	-	-	<b>13.811</b>

**Remarks:**

Air Forces United States Central Command (AFCENT) is the ACC component designated to support USCENTCOM operations in deployed theaters for the AF. Funds procure 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. FY 23 funding will be used to complete procurement of MODE 5 Kits for USAF RADARS in theater, equipment and install for new Air Traffic Control Tower in Jordan, and increased Very Small Aperture Terminal (VSAT) SATCOM support for AFCENT Agile Combat Employment initiatives.

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5			<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM				<b>Item Number / Title [DODIC]:</b> Service Support to USCENTCOM - Communications					

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
44000 <sup>(†)</sup>		2022	NIWC Atlantic / Southwest Asia AOR	Various	AA-CDM	Jan 2022	Jan 2022	1	10.750	Y		
44000 <sup>(†)</sup>		2023	NIWC Atlantic / Southwest Asia AOR	Various	AA-CDM	Jan 2023	Jan 2023	1	6.200	Y		
44000 <sup>(†)</sup>		2024	NIWC Atlantic / Southwest Asia AOR	Various	AA-CDM	Jan 2024	Jan 2024	1	13.811	Y		

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5										<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM										<b>Item Number / Title [DODIC]:</b> Service Support to USCENTCOM - Communications									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
44000																																	
	1	2022	AF	1	0	1								A1																0			
	1	2023	AF	1	0	1																						A1		0			
	1	2024	AF	1	0	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			

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5										<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM										<b>Item Number / Title [DODIC]:</b> Service Support to USCENTCOM - Communications									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													B A L A N C E		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025														
							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				
44000																																		
	1	2022	AF	1	1	0																											0	
	1	2023	AF	1	1	0																											0	
	1	2024	AF	1	0	1																											0	
							A1																											
							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				

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5		<b>P-1 Line Item Number / Title:</b> 835140 / USCENTCOM
<b>Item Number / Title [DODIC]:</b> Service Support to USCENTCOM - Communications		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	NIWC Atlantic - Southwest Asia AOR			1	0	0	0	0	0	0	4	0	4

"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).



**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 835160 / USSTRATCOM  
 Equip / BSA 5: Air Force Communications

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0303255F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	4.226	4.619	4.436	-	4.436	4.795	4.893	5.064	5.171	-	33.204
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	4.226	4.619	4.436	-	4.436	4.795	4.893	5.064	5.171	-	33.204
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>4.226</b>	<b>4.619</b>	<b>4.436</b>	-	<b>4.436</b>	<b>4.795</b>	<b>4.893</b>	<b>5.064</b>	<b>5.171</b>	-	<b>33.204</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	0.337	-	-	-	-	-	-	-	-	0.337
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

USSTRATCOM procurement funding across the FYDP supports lifecycle management for Nuclear Command Control (NC2) Systems at USSTRATCOM Headquarters, remote locations, and classified programs.

Global Distributed Command and Control (GDC2) is the classified portion and will be provided on a need to know basis. For further information please contact the Strategic C2 Systems Branch (SAF/AQID) at (202) 404-3405. This is in cooperation with DISA and OSD Policy.

This is NOT a new start.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 835160 / USSTRATCOM  
 Equip / BSA 5: Air Force Communications

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0303255F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	USSTRATCOM IT Enterprise	P-5a, P-21	A		- / -	- / 0.000	1 / 0.337	- / 0.000	- / -	- / 0.000
P-5	Command, Control, Communication, and Computers (C4) - STRATCOM	P-5a, P-21	A		- / -	- / 4.226	- / 4.282	- / 4.436	- / -	- / 4.436
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 4.226	- / 4.619	- / 4.436	- / -	- / 4.436

\*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 sum exactly due to rounding.

**Justification:**

No FY2024 funding requested for USSTRATCOM IT ENTERPRISE.

The COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - FY2024 funding supports lifecycle management of USSTRATCOM Headquarters, remote locations, and Global Distributed Command and Control (GDC2).

Detailed information on both the JIOC and GDC2 is classified; additional information will be provided on a need to know basis.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM	<b>Item Number / Title [DODIC]:</b> USSTRATCOM IT Enterprise

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	1	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.337	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.337	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.337</b>	<b>0.000</b>	-	<b>0.000</b>

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

Initial Spares ( <i>\$ in Millions</i> )	-	-	0.337	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	0.337	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - USSTRATCOM IT Enterprise Cost																		
Recurring Cost																		
USSTRATCOM JIOC <sup>(†)</sup>	-	-	-	-	-	0.000	0.337	1	0.337	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.337	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - USSTRATCOM IT Enterprise Cost</i>	-	-	-	-	-	0.000	-	-	0.337	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	0.337	1	0.337	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**

The FY 2023 procurement funding of 337 thousand in the USSTRATCOM IT ENTERPRISE exhibit is a one year requirement supporting the USSTRATCOM Joint Intelligence Operations Center (JIOC). Detailed information is classified; additional information will be provided on a need to know basis.

<sup>(†)</sup> indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM	<b>Item Number / Title [DODIC]:</b> USSTRATCOM IT Enterprise
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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
USSTRATCOM JIOC <sup>(†)</sup>		2023	Various / Various	TBD	ACC	Jan 2023	Jan 2023	1	0.337	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
The FY 2023 procurement funding of 337 thousand in the USSTRATCOM IT ENTERPRISE exhibit is a one year requirement supporting the USSTRATCOM Joint Intelligence Operations Center (JIOC). Detailed information is classified; additional information will be provided on a need to know basis.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM	<b>Item Number / Title [DODIC]:</b> USSTRATCOM IT Enterprise
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							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					
USSTRATCOM JIOC																												0							
1		2023	AF	1	0	1	A1																												0
							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					

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM	<b>Item Number / Title [DODIC]:</b> USSTRATCOM IT Enterprise
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	4	0	4	0	0	0	0

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM	<b>Item Number / Title [DODIC]:</b> Command, Control, Communication, and Computers (C4) - STRATCOM

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.226	4.282	4.436	-	4.436
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	4.226	4.282	4.436	-	4.436
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>4.226</b>	<b>4.282</b>	<b>4.436</b>	-	<b>4.436</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Command, Control, Communication, and Computers (C4) - STRATCOM Cost																		
Recurring Cost																		
NC2 Lifecycle <sup>(t)</sup>	-	-	-	1.895	1	1.895	1.825	1	1.825	1.899	1	1.899	-	-	-	1.899	1	1.899
GDC2 Classified <sup>(t)</sup>	-	-	-	2.331	1	2.331	2.457	1	2.457	2.537	1	2.537	-	-	-	2.537	1	2.537
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.226	-	-	4.282	-	-	4.436	-	-	-	-	-	4.436
<i>Subtotal: Hardware - Command, Control, Communication, and Computers (C4) - STRATCOM Cost</i>	-	-	-	-	-	4.226	-	-	4.282	-	-	4.436	-	-	-	-	-	4.436
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>4.226</b>	-	-	<b>4.282</b>	-	-	<b>4.436</b>	-	-	-	-	-	<b>4.436</b>

**Remarks:**  
 The COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - STRATCOM exhibit supports lifecycle management of Nuclear Command Control (NC2) Systems and Global Distributed Command and Control (GDC2). Detailed information is classified; additional information will be provided on a need to know basis.

This is NOT a new start.

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5			<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM				<b>Item Number / Title [DODIC]:</b> Command, Control, Communication, and Computers (C4) - STRATCOM					

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
NC2 Lifecycle <sup>(†)</sup>		2022	Various / Various	Reqn	ACC	Mar 2022	Mar 2023	1	1.895	Y		
NC2 Lifecycle <sup>(†)</sup>		2023	Various / Various	Reqn	ACC	Mar 2023	May 2024	1	1.825	Y		
NC2 Lifecycle <sup>(†)</sup>		2024	Various / Various	Reqn	ACC	Mar 2024	Mar 2025	1	1.899	Y		
GDC2 Classified <sup>(†)</sup>		2022	Various / Various	Reqn	ACC	Jun 2022	Jun 2023	1	2.331	Y		
GDC2 Classified <sup>(†)</sup>		2023	Various / Various	Reqn	ACC	Jun 2023	Jun 2024	1	2.457	Y		
GDC2 Classified <sup>(†)</sup>		2024	Various / Various	Reqn	ACC	Mar 2024	Mar 2025	1	2.537	Y		

<sup>(†)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force														<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5							<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM														<b>Item Number / Title [DODIC]:</b> Command, Control, Communication, and Computers (C4) - STRATCOM						

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														B A L A N C E		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023															
							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						
NC2 Lifecycle																																				
1		2022	AF	1	0	1									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1					0		
1		2023	AF	1	0	1																						A -	-	-	-	-	-	-	-	1
1		2024	AF	1	0	1																													1	
GDC2 Classified																																				
2		2022	AF	1	0	1									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			0	
2		2023	AF	1	0	1																							A -	-	-	-	-	-	1	
2		2024	AF	1	0	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						

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force				<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5				<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM				<b>Item Number / Title [DODIC]:</b> Command, Control, Communication, and Computers (C4) - STRATCOM			

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
NC2 Lifecycle																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	0	1	-	-	-	-	-	-	-	1															0		
	1	2024	AF	1	0	1																						1	0		
GDC2 Classified																															
	2	2022	AF	1	1	0																							0		
	2	2023	AF	1	0	1	-	-	-	-	-	-	-	1															0		
	2	2024	AF	1	0	1																						1	0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5		<b>P-1 Line Item Number / Title:</b> 835160 / USSTRATCOM
<b>Item Number / Title [DODIC]:</b> Command, Control, Communication, and Computers (C4) - STRATCOM		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	1	0	0	0	0	0	1	6	12	18
2	Various - Various	1	1	1	0	0	0	0	0	1	6	12	18

"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 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications  
**P-1 Line Item Number / Title:** 835210 / USSPACECOM  
 Equip / BSA 5: Air Force Communications

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

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	0.000	27.073	-	27.073	79.732	27.900	7.611	2.577	-	144.893
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	0.000	27.073	-	27.073	79.732	27.900	7.611	2.577	-	144.893
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>0.000</b>	<b>27.073</b>	-	<b>27.073</b>	<b>79.732</b>	<b>27.900</b>	<b>7.611</b>	<b>2.577</b>	-	<b>144.893</b>

*(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 Consolidated Space Operations Facility (CSOF) is a National Space Defense Center, which is an operational arm of USSPACECOM operations. The CSOF will be a two-story 175,823 square foot facility that will be constructed within the restricted area of Schriever SFB, CO. It is an approved FY20 Military Construction (MILCON) project that will house 560 personnel and include a 300-seat auditorium (the largest on the Front Range), dining facility, 1,300 square foot entry control facility (ECF), and a 335 vehicle parking lot. The CSOF shall provide a highly reliable facility to support the missions of the USSPACECOM Enterprise, including the Joint Task Force - Space Defense (JTF-SD) and Combined Joint Task Force - Space Operations (CJTF-SO). It will house current and future primary and alternate Space C2 systems. It will provide the environment to enable the development of future Space C2 systems and be the prototyping and integration location for USSPACECOM operations centers. Additionally, it will also provide isolated environments for modeling and simulation and as well as a cyber terrain range. The facility will be a critical component of the USSPACECOM C2 Space Warfighting Terrain.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 835210 / USSPACECOM  
**Equip / BSA 5: Air Force Communications**

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	USSPACECOM	P-5a, P-21	A		- / -	- / 0.000	- / 0.000	- / 27.073	- / -	- / 27.073
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 27.073</b>	<b>- / -</b>	<b>- / 27.073</b>

\*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 sum exactly due to rounding.

**Justification:**  
 Funding provides the required command specific operational components to complete the Consolidated Space Operations Facility (CSOF). While the CSOF MILCON budget covers the construction of the building, this funding provides for the final fitout to include security systems, furniture, mission system infrastructure/installation, and C4I/IT design and installation. Funding provides needed computer, server room, and audio visual equipment to fitout classified administrative spaces, operations centers, Cyber range, mod/sim areas, and conference/collaboration rooms that will enable Joint Task Force for Space Defenses (JTF-SD) to provide decision quality information to support the Commander, USSPACECOM.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835210 / USSPACECOM	<b>Item Number / Title [DODIC]:</b> USSPACECOM
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.000	27.073	-	27.073
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.000	27.073	-	27.073
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.000</b>	<b>0.000</b>	<b>27.073</b>	-	<b>27.073</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - USSPACECOM Cost</b>																		
Non Recurring Cost																		
Network Procurements <sup>(†)</sup>	-	-	-	-	-	0.000	-	-	0.000	7.307	1	7.307	-	-	-	7.307	1	7.307
Operations Center Procurements <sup>(†)</sup>	-	-	-	-	-	0.000	-	-	0.000	6.000	1	6.000	-	-	-	6.000	1	6.000
Data Center & Server Room Procurements	-	-	-	-	-	0.000	-	-	0.000	2.000	1	2.000	-	-	-	2.000	1	2.000
C4I/IT Auditorium Procurements	-	-	-	-	-	0.000	-	-	0.000	3.000	1	3.000	-	-	-	3.000	1	3.000
Furniture <sup>(†)</sup>	-	-	-	-	-	0.000	-	-	0.000	6.300	1	6.300	-	-	-	6.300	1	6.300
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>24.607</i>	-	-	-	-	-	<i>24.607</i>
<i>Subtotal: Hardware - USSPACECOM Cost</i>	-	-	-	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>24.607</i>	-	-	-	-	-	<i>24.607</i>
<b>Support - USSPACECOM Cost</b>																		
Pre-installation Test and Check Out (PITCO)	-	-	-	-	-	-	-	-	-	-	-	2.466	-	-	-	-	-	2.466
<i>Subtotal: Support - USSPACECOM Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<i>2.466</i>	-	-	-	-	-	<i>2.466</i>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>27.073</b>	-	-	-	-	-	<b>27.073</b>

<sup>(†)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835210 / USSPACECOM	<b>Item Number / Title [DODIC]:</b> USSPACECOM
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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
Network Procurements <sup>(†)</sup>		2024	NIWC / Schriever, SFB	Various	TBD	Oct 2023	Sep 2024	1	7.307	Y		
Operations Center Procurements <sup>(†)</sup>		2024	NIWC / Schriever, SFB	Various	TBD	Oct 2023	Sep 2024	1	6.000	Y		
Furniture <sup>(†)</sup>		2024	NIWC / Schriever, SFB	Various	TBD	Oct 2023	Sep 2024	1	6.300	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 5 **P-1 Line Item Number / Title:** 835210 / USSPACECOM **Item Number / Title [DODIC]:** USSPACECOM

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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			
Network Procurements																																	
1		2024	AF	1	0	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
Operations Center Procurements																																	
2		2024	AF	1	0	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
Furniture																																	
3		2024	AF	1	0	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 5	<b>P-1 Line Item Number / Title:</b> 835210 / USSPACECOM	<b>Item Number / Title [DODIC]:</b> USSPACECOM
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	NIWC - Schriever, SFB			1	0	0	0	0	0	0	0	0	0
2	NIWC - Schriever, SFB			1	0	0	0	0	0	0	0	0	0
3	NIWC - Schriever, SFB			1	0	1	11	12	0	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207444F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	157.817	164.350	226.819	-	226.819	117.138	137.755	143.049	125.390	-	1,072.318
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	157.817	164.350	226.819	-	226.819	117.138	137.755	143.049	125.390	-	1,072.318
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>157.817</b>	<b>164.350</b>	<b>226.819</b>	-	<b>226.819</b>	<b>117.138</b>	<b>137.755</b>	<b>143.049</b>	<b>125.390</b>	-	<b>1,072.318</b>

*(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:**

837100 / Tactical C-E Equipment includes-TACTICAL AIRBORNE CONTROL SYSTEM EQUIPMENT (TACS), THEATER- DEPLOYABLE COMMUNICATIONS (TDC), ADVANCED COMMUNICATION SYSTEM (ACS) TACTICAL AIR CONTROL PARTY MODERNIZATION, AND SPECIAL TACTICS/COMBAT CONTROL.

PE 0207418F TACTICAL AIRBORNE CONTROL SYSTEM EQUIPMENT (TACS): FY24 funding provides for fielding digitally aided Close Air Support (CAS) kits (up to 98 kits) for integration into the simulator to maximize the mirroring of real-world training in the simulated environment. As well as procurement of additional portable devices as needed by the field. Funding will also address emerging and short notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

PE 0207422F THEATER-DEPLOYABLE COMMUNICATIONS (TDC) PROGRAM: TDC is used to extend network data, voice and video services to expeditionary and battlefield forces. The TDC system provides stand-alone communications support for the full range of military operations and communications capability for Command and Control (C2) reach back, at and above, the tactical level for a variety of Air Force missions. TDC provides a 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/inter-base connectivity services similar to those established on a fixed base. The TDC packages: Flexible Communications Package (FCP) and Agile Communications Package (ACP) use 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. The TDC packages also support Special Missions, to include noncombatant evacuation and disaster relief efforts, US Secret Service support, and Homeland Defense Operations. The FCP consists of SATCOM, Integrated Communications Package (ICAP) and Network Control Center- Deployed (NCC-D) components. The ACP will replace the Communication Fly away kit and the SCP and provide the Wing Communications Squadrons with communications to meet the Agile Combat Employment mission. The ACP will consist of ICAP, SATCOM, Tactical Data Links (TDL) capable equipment to provide a complete package to wing and combat communications squadrons that will allow for success of ACE.

The TDC program reached full operational capability in 2008. TDC procures and installs end of life/end of support equipment to maintain full operational capability. Recapitalization addresses Diminishing Manufacturing Sources (DMS) issues associated with COTS components and ensures TDC maintains compliance with security mandates/directives and cryptographic standards.

TDC procurements consist of SATCOM, ICAP and NCCD components. Recapitalization cost is based on the quantity of equipment, number of users they support, and the configurations of the three components. Size of recapitalization packages vary from year to year.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207444F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>a. SATCOM (formerly HUB AND SPOKE SATELLITE TERMINALS): Satellite terminals provide two-way communications connectivity between expeditionary bases and reach back, through Defense Information System Agency (DISA) gateways/teleports, to the global information grid. These terminals provide DOD X and Ka Band (Super High Frequency) resources and provide access to Ku band commercial satellite services. TDC's Small and Medium Satellite terminals 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 provide 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, TDL capable 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. The services provided through NCC-D are the core services to the communication hub and these Core Services will be the focus of the Flexible Communications Package (FCP).</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 0207423F ADVANCED COMMUNICATIONS SYSTEMS consistent of Mobile User Objective System (MUOS) and TACTICAL RADIO SYSTEMS (TRS). These are commercial off the shelf software programmable tactical radios that provide voice, data, and video communications for military users in the air, on the ground, and at sea.</p> <p>PE 0207444F TACTICAL AIR CONTROL PARTY-MODERNIZATION (TACP-M) ACQUISITION CATEGORIES: FY24 funding is planned to execute Air Support Operations Center Modernization (ASOC-Mod), year three of Initial Contractor Support (ICS) and Link-16 radio capability/transportation and C2 capabilities/procurement for Tactical Transportable Gateways (TTG), Maneuver Gateway (MG) Phase II, Mobile Communication Systems (MCS) Kits for MCS Block 3 (Armored Multi-Purpose Vehicle) and MCS Block 4 (Joint Light Tactical Vehicle) vehicle integration, Dismounted procurements supporting Special Warfare Attack Kit (SWAK) and Tactical Assault Kit (TAKBox) and mounted/dismounted equipment radios/peripherals/targeting equipment//etc., as well as Naval Surface Warfare Center (NSWC) Crane support for all TACP-M programs including Dismounted.</p> <p>All TACP-M programs execute effective interoperable communications with existing C4I equipment and must be interoperable with planned Command, Control, Communications, Computers, &amp; Intelligence (C4I) equipment tying into the Theater Deployable Communications (TDC) Program Management Directive (PMD), USAF and Army future Joint All Domain Command and Control (JADC2) capabilities, and joint Digitally Aided Close Air Support (DACAS) standards. To ensure effective C2 capabilities/survivability TACP needs to also procure equipment capable of sensing (passive and active) enemy activity within the electromagnetic spectrum (RF communication) and jamming effectiveness (EMS (Electro-Magnetic Spectrum) awareness), procure and integrate TDC equipment, LPI/LPD (Low Probability of Intercept/Low Probability of Detection) capabilities, and Small Unmanned Aircraft Systems (UAS) comm relay systems.</p> <p>The ASOC-Mod project, to include MG, is comprised of several Commercial of-the Shelf (COTs)/Government of-the Shelf (GOTs) hardware, software, improved power generation and associated support, including expanding Link-16 and SADL capabilities for gateway operations throughout lower echelons with products currently available to support further integration efforts to meet requirements and gain valuable feedback from other TACP-M programs, innovation sites and the User Engagement Site (UES). ASOC-Mod will pursue C2 Shelter/Trailer procurement to help ensure mobility and maneuver capability.</p> <p>MCS: Effort includes, procuring and fielding kits for MCS Block 3 (AMPV), and MCS Block 4 (JLTV) vehicle integration.</p>		

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	

<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207444F
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**Line Item MDAP/MAIS Code:** N/A

Items requested in FY24 as identified in this Exhibit are representative but not limited to the items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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 0408011F Special Tactics / Combat Control: SPECIAL WARFARE ACQUISITION GROWTH AND REFRESH (SWAGR): SWAGR will deliver a Family of Systems (FoS) that provides a state-of-the-art Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance (C4ISR) and provides a family of systems for all Air Force Specialty Codes supporting the Special Tactics (ST) community within the Air Force Special Operations Command's (AFSOC's) Special Warfare Program. This program will procure and enhance technologies for Special Warfare ST operators that are inter-operable with US and coalition special operations dismounted forces. SWAGR allows the ability to recognize, identify, range, nominate, and designate targets during both day and night. SWAGR will also significantly reduce the time required to find, fix, track, target, and engage the enemy by attacking adversary signals of interest, 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. SWAGR systems are light, compact, and portable for use by dismounted Special Warfare operators. Modernization efforts focus on reducing the weight of the equipment carried by the dismounted operator. The core capabilities include but are not restricted to: Human Machine Interface (HMI), Operational Control System (OCS), Line of Sight (LOS) targeting device, Non-Line of Sight (XLOS) targeting device, Machine-to-Machine C4ISR System, and Electromagnetic Spectrum awareness/defensive/offensive capabilities. To ensure effective C2 capabilities/survivability, SWAGR will also procure LPI/LPD (Low Probability of Intercept/Low Probability of Detection) capabilities, equipment capable of sensing (passive and active) enemy activity within the electromagnetic spectrum (RF communication) and jamming effectiveness (EMS awareness), and Small UAS comm relay systems. SWAGR also supports AFSOC Tactical Command and Control (TAC C2) program purchases enhanced communication systems and equipment essential for ST combat controllers, pararescue, Special Reconnaissance, and tactical air control parties to perform their mission and communicate Beyond Line of Site (BLOS) with rear echelon C2, to provide a joint operating picture. 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 and to conduct precision approach to include using navigational aid. Items include but not limited to training, initial spares, repairs and returns, and other equipment. Funding for this exhibit is contained in PE 0408011F.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	118.301	143.948	226.819	-	226.819	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.802	16.362	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.714	4.040	-	-	-	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>157.817</b>	<b>164.350</b>	<b>226.819</b>	-	<b>226.819</b>	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 837100 / Tactical C-E Equipment  
**Equip / BSA 7: Organization and Base**

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207444F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AFSPECWAR - TACP	P-5a, P-21	A		- / -	- / 3.961	- / 2.722	- / 3.155	- / -	- / 3.155
P-5	Deployable C3 Systems	P-5a, P-21	A		- / -	- / 57.306	- / 79.129	- / 156.604	- / -	- / 156.604
P-5	Advanced Communications Systems	P-5a, P-21	A		- / -	- / 6.214	- / 10.834	- / 11.214	- / -	- / 11.214
P-5	Tactical Air Control Party-Mod	P-5a, P-21	A		- / -	- / 52.200	- / 53.632	- / 38.535	- / -	- / 38.535
P-5	Special Tactics / Combat Control	P-5a, P-21	A		- / -	- / 38.136	- / 18.033	- / 17.311	- / -	- / 17.311
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 157.817</b>	<b>- / 164.350</b>	<b>- / 226.819</b>	<b>- / -</b>	<b>- / 226.819</b>

\*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 sum exactly due to rounding.

**Justification:**  
 PE 0207418F TACTICAL AIRBORNE CONTROL SYSTEM EQUIPMENT (TACS): FY24 funding provides for fielding of Digitally Aided CAS kits, as well as portable devices and desktop(s). Funds may be used to address emerging and short notice Diminishing Manufacturing and Material Shortage (DMSMS) issues.

PE 0207422F DEPLOYABLE C3 SYSTEMS: FY24 funding supports increased ACC requirement. Funding will be used as directed by ACC to provide ACE capabilities to the Wing communications squadrons. This will be providing ACP, Tactical Data link capabilities, and commercial Satellite capabilities.

PE 0207423F ADVANCED COMMUNICATIONS SYSTEMS: FY24 funding will procure 800 MUOS waveform radio licenses, 20 MUOS training events, 85 Antenna Kits, 200 Saturn waveform radio licenses, and MUOS Help Desk Support Services.

TACTICAL AIR CONTROL PARTY-MODERNIZATION (TACP-M): FY2024 funding provides for fielding of Digitally Aided CAS kits, as well as portable devices. Funding will be used to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues.

TACP-M FY2024 funding will also execute year three of Initial Contractor Support (ICS) and Link-16 radio capability/transportation and C2 capabilities/procurement for Tactical Transportable Gateways (TTG), Maneuver Gateway (MG) Phase II, Mobile Communication Systems (MCS): Kits for MCS Block 3 (Armored Multi-Purpose Vehicle) and MCS Block 4 (Joint Light Tactical Vehicle) vehicle integration (6 Block 3 AMPV kits and 24 MCS Block 4 (JLTVs)), Dismounted procurements supporting Special Warfare Attack Kit (SWAK) and Tactical Assault Kit (TAKBox) and mounted/dismounted equipment radios/peripherals/ etc.as well as Navy Surface Warfare Center (NSWC) Crane contract support for MCS, ASOC Modernization and TTG integration and fielding, system modeling, program management and cyber security.

The ASOC-Mod project to include MG is comprised of several Commercial of-the Shelf (COTs)/Government of-the Shelf (GOTs) hardware, software, improved power generation and associated support, including expanding Link-16 and SADL capabilities for gateway operations throughout lower echelons with products currently available to support further integration efforts to meet requirements and gain valuable feedback from other TACP-M programs, innovation sites and the User Engagement Site (UES). ASOC-Mod will pursue C2 Shelter/Trailer procurement to help ensure mobility and maneuver capability.

MCS: Effort includes procuring and fielding kits for MCS Block 3 (AMPV), and MCS Block 4 (JLTV) vehicle integration.

PE 0408011F SPECIAL TACTICS/COMBAT CONTROL: Items requested in FY24 as identified on the P-5 Exhibit are representative but not limited to the items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. Due to the rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current slated and emerging requirements for operational TACP units.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207444F
<b>Line Item MDAP/MAIS Code:</b> N/A		

Empty justification area for the budget line item.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment			<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )			-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )			-	3.961	2.722	3.155	-	3.155
Less PY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )			-	3.961	2.722	3.155	-	3.155
Plus CY Advance Procurement ( <i>\$ in Millions</i> )			-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )			-	<b>3.961</b>	<b>2.722</b>	<b>3.155</b>	-	<b>3.155</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - TACP Fixed Simulator - JTC TRS Cost																		
Recurring Cost																		
TACP Fixed Simulators - JTC TRS <sup>(†)</sup>	-	-	-	1.563	1	1.563	2.722	1	2.722	3.155	1	3.155	-	-	-	3.155	1	3.155
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.563	-	-	2.722	-	-	3.155	-	-	-	-	-	3.155
<i>Subtotal: Hardware - TACP Fixed Simulator - JTC TRS Cost</i>	-	-	-	-	-	1.563	-	-	2.722	-	-	3.155	-	-	-	-	-	3.155
Software - Tactical Airborne Control Systems Cost																		
Recurring Cost																		
Digitally Aided CAS <sup>(†)</sup>	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - Tactical Airborne Control Systems Cost</i>	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
Support - TACP SIM Support Cost																		
Management Services - Contractor Services and other Government Costs	-	-	-	0.398	1	0.398	-	-	-	-	-	-	-	-	-	-	-	-
Contractor PM & Cyber Support	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - TACP SIM Support Cost</i>	-	-	-	-	-	1.398	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7						<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment						<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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	-	-	-	-	-	3.961	-	-	2.722	-	-	3.155	-	-	-	-	-	3.155

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	3.961	2.722	3.155	-	3.155
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	3.961	2.722	3.155	-	3.155

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP
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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
TACP Fixed Simulators - JTC TRS <sup>(†)</sup>		2022	CAE USA, Inc / Arlington, TX	SS / FFP	WPAFB, OH	Jun 2022	Jun 2023	1	1.563	Y		
TACP Fixed Simulators - JTC TRS <sup>(†)</sup>		2023	CAE USA, Inc / Arlington, TX	SS / FFP	WPAFB, OH	Jun 2023	Jun 2024	1	2.722	Y		
TACP Fixed Simulators - JTC TRS <sup>(†)</sup>		2024	CAE USA, Inc / Arlington, TX	SS / FFP	WPAFB, OH	Jun 2024	Jun 2025	1	3.155	Y		
Digitally Aided CAS <sup>(†)</sup>		2022	CAE USA, Inc / Arlington, TX	SS / FFP	WPAFB, OH	Jun 2022	Jun 2023	1	1.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													B A L A N C E		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023														
							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				
TACP Fixed Simulators - JTC TRS																																		
1		2022	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	0
1		2023	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1		2024	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Digitally Aided CAS																																		
2		2022	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
TACP Fixed Simulators - JTC TRS																															
	1	2022	AF	1	1	0																							0		
	1	2023	AF	1	0	1	-	-	-	-	-	-	-	-	1														0		
	1	2024	AF	1	0	1									A	-	-	-	-	-	-	-	-	-	-	-	1	0			
Digitally Aided CAS																															
	2	2022	AF	1	1	0																						0			
							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	

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> AFSPECWAR - TACP
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	CAE USA, Inc - Arlington, TX	1	1	6	0	0	0	0	0	1	9	12	21
2	CAE USA, Inc - Arlington, TX	1	5	10	1	9	12	21	21	0	0	0	0

"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).

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	57.306	79.129	156.604	-	156.604
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	57.306	79.129	156.604	-	156.604
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>57.306</b>	<b>79.129</b>	<b>156.604</b>	-	<b>156.604</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Deployable C3 Systems Cost</b>																		
Recurring Cost																		
TDC - Network Control Center - Deployed <sup>(†)</sup>	-	-	-	0.144	98	14.099	0.116	195	22.645	0.138	98	13.524	-	-	-	0.138	98	13.524
TDC - Integrated Communications Access Packages <sup>(†)</sup>	-	-	-	1.119	36	40.280	0.384	140	53.717	0.389	284	110.363	-	-	-	0.389	284	110.363
TDC - Satcom Terminals	-	-	-	0.101	1	0.101	0.100	1	0.100	0.320	91	29.120	-	-	-	0.320	91	29.120
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<b>54.480</b>	-	-	<b>76.462</b>	-	-	<b>153.007</b>	-	-	-	-	-	<b>153.007</b>
<i>Subtotal: Hardware - Deployable C3 Systems Cost</i>	-	-	-	-	-	<b>54.480</b>	-	-	<b>76.462</b>	-	-	<b>153.007</b>	-	-	-	-	-	<b>153.007</b>
<b>Support - Deployable C3 Systems Cost</b>																		
Program Support Costs - Contractor Services	-	-	-	-	-	1.416	-	-	1.742	3.597	1	3.597	-	-	-	3.597	1	3.597
Program Support Costs - Other Government Costs	-	-	-	-	-	1.410	-	-	0.925	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Deployable C3 Systems Cost</i>	-	-	-	-	-	<b>2.826</b>	-	-	<b>2.667</b>	-	-	<b>3.597</b>	-	-	-	-	-	<b>3.597</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>57.306</b>	-	-	<b>79.129</b>	-	-	<b>156.604</b>	-	-	-	-	-	<b>156.604</b>

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	17.790	58.727	156.604	-	156.604
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	32.802	16.362	-	-	-
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	6.714	4.040	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>57.306</b>	<b>79.129</b>	<b>156.604</b>	-	<b>156.604</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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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
TDC - Network Control Center - Deployed <sup>(†)</sup>		2022	Multiple / Multiple	Various	Hanscom AFB	Aug 2022	Feb 2023	98	0.144	Y		Jun 2022
TDC - Network Control Center - Deployed <sup>(†)</sup>		2023	TBD / TBD	TBD	Hanscom AFB	Mar 2023	Feb 2024	195	0.116	Y		Nov 2022
TDC - Network Control Center - Deployed <sup>(†)</sup>		2024	TBD / TBD	TBD	Hanscom AFB	Nov 2023	Feb 2025	98	0.138	Y		
TDC - Integrated Communications Access Packages <sup>(†)</sup>		2022	Various / Various	C / FFP	Hanscom AFB	Aug 2022	Feb 2023	36	1.119	Y		Feb 2022
TDC - Integrated Communications Access Packages <sup>(†)</sup>		2023	TBD / TBD	C / FFP	Hanscom AFB	Feb 2023	Aug 2023	140	0.384	Y		Dec 2022
TDC - Integrated Communications Access Packages <sup>(†)</sup>		2024	TBD / TBD	C / FFP	Hanscom AFB	Feb 2024	Aug 2024	284	0.389	Y		

<sup>(†)</sup> indicates the presence of a P-21





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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 3	BAL D U E A S O F 1 O C T	Calendar Year 2024												Calendar Year 2025												
							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>TDC - Network Control Center - Deployed</b>																															
	1	2022	AF	98	98	0																							0		
	2	2023	AF	195	0	195	-	-	-	-	20	20	20	20	22	22	22	22	27										0		
	2	2024	AF	98	0	98		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	10	10	48
<b>TDC - Integrated Communications Access Packages</b>																															
	3	2022	AF	36	36	0																							0		
	4	2023	AF	140	40	100	20	20	-	20	20	20																	0		
	4	2024	AF	284	0	284					A	-	-	-	-	-	-	-	-	-	-	25	50	50	50	50	50	9		0	
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							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
TDC - Network Control Center - Deployed																															
	1	2022	AF	98	98	0																							0		
	2	2023	AF	195	195	0																							0		
	2	2024	AF	98	50	48	10	10	10	18																		0			
TDC - Integrated Communications Access Packages																															
	3	2022	AF	36	36	0																							0		
	4	2023	AF	140	140	0																							0		
	4	2024	AF	284	284	0																							0		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Deployable C3 Systems
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Multiple - Multiple				0	0	0	0	0	0	0	0	0
2	TBD - TBD	1	1	300	6	0	0	0	6	2	15	17	
3	Various - Various				0	0	0	0	0	0	0	0	
4	TBD - TBD	1	1	300	0	0	0	0	6	5	6	11	

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Advanced Communications Systems
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	6.214	10.834	11.214	-	11.214
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	6.214	10.834	11.214	-	11.214
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>6.214</b>	<b>10.834</b>	<b>11.214</b>	-	<b>11.214</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Software - Advanced Communications Systems Cost																		
Recurring Cost																		
MUOS Contracts <sup>(†)</sup>	-	-	-	1.000	6	5.998	1.770	6	10.618	1.833	6	10.998	-	-	-	1.833	6	10.998
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.998	-	-	10.618	-	-	10.998	-	-	-	-	-	10.998
<i>Subtotal: Software - Advanced Communications Systems Cost</i>	-	-	-	-	-	5.998	-	-	10.618	-	-	10.998	-	-	-	-	-	10.998
Support - Advanced Communications Systems Cost																		
Program Support	-	-	-	0.216	1	0.216	0.216	1	0.216	0.216	1	0.216	-	-	-	0.216	1	0.216
<i>Subtotal: Support - Advanced Communications Systems Cost</i>	-	-	-	-	-	0.216	-	-	0.216	-	-	0.216	-	-	-	-	-	0.216
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	6.214	-	-	10.834	-	-	11.214	-	-	-	-	-	11.214

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	6.214	10.834	11.214	-	11.214
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>6.214</b>	<b>10.834</b>	<b>11.214</b>	-	<b>11.214</b>

<sup>(†)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Advanced Communications Systems
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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
MUOS Contracts <sup>(†)</sup>		2022	DLA TROOP SUPPORT C&E / PHILADELPHIA, PA	MIPR	N/A	Apr 2022	Apr 2023	6	1.000	Y		Jan 2022
MUOS Contracts <sup>(†)</sup>		2023	DLA TROOP SUPPORT C&E / PHILADELPHIA, PA	MIPR	N/A	Apr 2023	Apr 2024	6	1.770	Y		Jan 2023
MUOS Contracts		2024	DLA TROOP SUPPORT C&E / PHILADELPHIA, PA	MIPR	N/A	Apr 2024	Apr 2025	6	1.833	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																			<b>Date:</b> March 2023								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7										<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment										<b>Item Number / Title [DODIC]:</b> Advanced Communications Systems							

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE																																					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023																																																	
							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																																							
MUOS Contracts																																																																					
1	2022	AF		6	0	6																							6								0																																
1	2023	AF		6	0	6																								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6																				6
							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																																							

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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 <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025										BALANCE			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025													
							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
MUOS Contracts																														
	1	2022	AF	6	6	0																							0	
	1	2023	AF	6	0	6	-	-	-	-	-	-	6																0	
							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



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Advanced Communications Systems
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	DLA TROOP SUPPORT C&E - PHILADELPHIA, PA			6	1	7	12	19	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	52.200	53.632	38.535	-	38.535
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	52.200	53.632	38.535	-	38.535
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>52.200</b>	<b>53.632</b>	<b>38.535</b>	-	<b>38.535</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Hardware End Item Cost</b>																		
Recurring Cost																		
TACP TRANSPORTABLE GATEWAY (TTG)	-	-	-	0.231	3	0.692	-	-	-	-	-	-	-	-	-	-	-	-
MOBILE COMMUNICATIONS SYSTEM (MCS) Block 2	-	-	-	0.465	18	8.362	-	-	-	-	-	-	-	-	-	-	-	-
ARMORED MULTI-PURPOSE VEHICLE (AMPV)	-	-	-	0.706	5	3.529	0.306	6	1.833	0.612	6	3.673	-	-	-	0.612	6	3.673
Joint Light Tactical Vehicle (JLTV)	-	-	-	-	-	-	-	-	-	0.508	9	4.576	-	-	-	0.508	9	4.576
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	12.583	-	-	1.833	-	-	8.249	-	-	-	-	-	8.249
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	12.583	-	-	1.833	-	-	8.249	-	-	-	-	-	8.249
<b>Hardware - Hardware end item Cost</b>																		
Non Recurring Cost																		
Gateway SW	-	-	-	-	-	-	0.029	159	4.677	-	-	-	-	-	-	-	-	-
AN/PRC-161 HH L-16	-	-	-	0.051	250	12.768	-	-	-	-	-	-	-	-	-	-	-	-
TAKBox	-	-	-	-	-	-	-	-	-	0.002	113	0.184	-	-	-	0.002	113	0.184
ASOC MOD	-	-	-	2.426	1	2.426	0.097	20	1.946	-	-	-	-	-	-	-	-	-
Maneuver Gateway (MG) Phase I	-	-	-	0.303	25	7.573	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7						<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment						<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
MIDS JTRS BLK Upgrade	-	-	-	0.117	28	3.286	0.033	1	0.033	0.033	1	0.033	-	-	-	0.033	1	0.033
Maneuver Gateway (MG) Phase II <sup>(t)</sup>	-	-	-	-	-	-	0.616	35	21.558	0.681	12	8.173	-	-	-	0.681	12	8.173
TACP C2 Core Computers <sup>(t)</sup>	-	-	-	-	-	-	0.007	718	5.192	0.007	718	5.101	-	-	-	0.007	718	5.101
TACP Capability Based Assessment	-	-	-	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-
AN/PRC-160 for TACP Shortfall	-	-	-	-	-	-	0.032	151	4.885	0.032	152	4.902	-	-	-	0.032	152	4.902
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	26.053	-	-	39.291	-	-	18.393	-	-	-	-	-	18.393
<i>Subtotal: Hardware - Hardware end item Cost</i>	-	-	-	-	-	26.053	-	-	39.291	-	-	18.393	-	-	-	-	-	18.393
<b>Support - 0207444F Cost</b>																		
CRANE SUPPORT <sup>(t)</sup>	-	-	-	5.921	1	5.921	5.233	1	5.233	5.527	1	5.527	-	-	-	5.527	1	5.527
MANAGEMENT SERVICES - CONTRACTOR SERVICES	-	-	-	-	-	5.372	4.023	1	4.022	4.040	1	4.040	-	-	-	4.040	1	4.040
MANAGEMENT SERVICES - OTHER GOV'T COSTS	-	-	-	-	-	0.542	1.085	1	1.085	1.106	1	1.106	-	-	-	1.106	1	1.106
TEST SUPPORT	-	-	-	-	-	1.065	1.575	1	1.575	0.902	1	0.902	-	-	-	0.902	1	0.902
TTG ICS	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
MCS B2 ICS & Contractor Travel	-	-	-	-	-	0.464	0.282	1	0.282	-	-	-	-	-	-	-	-	-
Maneuver Gateway (MG) ICS	-	-	-	-	-	-	0.311	1	0.311	0.318	1	0.318	-	-	-	0.318	1	0.318
<i>Subtotal: Support - 0207444F Cost</i>	-	-	-	-	-	13.564	-	-	12.508	-	-	11.893	-	-	-	-	-	11.893
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	52.200	-	-	53.632	-	-	38.535	-	-	-	-	-	38.535

**Remarks:**  
MCS Block 3 (AMPV) - FY23 funding reduced due to fewer required components for initial kits. FY24 cost increase due to additional required components to complete kit configuration.  
MCS Block 4 (JLTV) - Required equipment execution year now FY24, from FY23 in accordance with requirements.  
TAKBox: Required equipment execution year now FY24 in accordance.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

ASOC-Mod - FY23 Qty updated to 20 kits in accordance with finalized requirements; Funding increased slightly due to additional travel required.

MIDS JTRS Blk upgrade: FY23 & FY24 cost increase due to mandatory requirements.

MG Phase II: FY23 increase due to additional required equipment to procure and Field Service Representative (FSR) support. FY24 added to complete Phase II requirement.

TACP C2 Core Computers, TACP Capability Based Assessment and AN/PRC-160s: Added in FY23 in accordance with O-6 approved requirements board. TACP C2 Core computer and AN/PRC-160 procurements required in FY23 and FY24 due to quantity requirements.

TTG ICS - FY23 moved to Naval Surface Warfare Center, Crane, IN. support due to prime contractor defaulting.

Management Services - Contractor Services: FY23 decrease due to reduction in labor rates.

Management Services - Other Gov't Costs: FY23 increase due to additional travel and contractor services required.

Maneuver Gateway (MG) ICS: FY23 added as required for MG Phase I. Year two ICS added in FY24.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	52.200	53.632	38.535	-	38.535
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>52.200</b>	<b>53.632</b>	<b>38.535</b>	-	<b>38.535</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod
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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
Maneuver Gateway (MG) Phase II <sup>(†)</sup>		2023	TBD / TBD	MIPR	TBD	Sep 2023	Dec 2023	35	0.616	Y		
Maneuver Gateway (MG) Phase II <sup>(†)</sup>		2024	TBD / TBD	MIPR	TBD	Sep 2024	Dec 2024	12	0.681	Y		
TACP C2 Core Computers <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	May 2023	Nov 2023	718	0.007	Y		
TACP C2 Core Computers		2024	TBD / TBD	TBD	TBD	May 2024	Nov 2024	718	0.007	Y		
CRANE SUPPORT <sup>(†)</sup>		2022	Naval Surface Warfare / Crane, IN	MIPR	AFLCMC Hanscom AFB	Jul 2022	Nov 2022	1	5.921	Y		
CRANE SUPPORT <sup>(†)</sup>		2023	Naval Surface Warfare / Crane, IN	MIPR	AFLCMC Hanscom AFB	Jul 2023	Nov 2023	1	5.233	Y		
CRANE SUPPORT <sup>(†)</sup>		2024	Naval Surface Warfare / Crane, IN	MIPR	AFLCMC Hanscom AFB	Jul 2024	Nov 2024	1	5.527	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												B A L A N C E					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023																
							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				
Maneuver Gateway (MG) Phase II																																			
	1	2023	AF	35	0	35																							A -	35					
	1	2024	AF	12	0	12																								12					
TACP C2 Core Computers																																			
	2	2023	AF	718	0	718																							A -	-	-	-	-	-	718
CRANE SUPPORT																																			
	3	2022	AF	1	0	1																							A -	-	-	-	-	1	0
	3	2023	AF	1	0	1																							A -	-	-	-		1	
	3	2024	AF	1	0	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					

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Exhibit P-21, Production Schedule: PB 2024 Air Force Date: March 2023

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

Table with columns: Cost Elements (Units in Each), Fiscal Year 2024, Fiscal Year 2025, BALANCE. Rows include: Maneuver Gateway (MG) Phase II (2023, 2024), TACP C2 Core Computers (2023), CRANE SUPPORT (2022, 2023, 2024).

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Tactical Air Control Party-Mod
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TBD - TBD			100	0	0	0	0	0	1	12	3	15
2	TBD - TBD			100	0	0	0	0	0	0	0	0	0
3	Naval Surface Warfare - Crane, IN			100	0	0	0	0	0	1	10	4	14

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics / Combat Control
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	38.136	18.033	17.311	-	17.311
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	38.136	18.033	17.311	-	17.311
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>38.136</b>	<b>18.033</b>	<b>17.311</b>	-	<b>17.311</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Hardware End Item Cost</b>																		
Recurring Cost																		
HUMAN MACHINE INTERFACE <sup>(†)</sup>	-	-	-	0.014	1,569	21.959	0.014	668	9.352	0.014	635	8.898	-	-	-	0.014	635	8.898
OPERATIONAL CONTROL SYSTEM (BAO KIT) <sup>(†)</sup>	-	-	-	0.011	1,137	12.510	0.011	536	5.896	0.011	519	5.709	-	-	-	0.011	519	5.709
LINE OF SIGHT <sup>(†)</sup>	-	-	-	0.040	45	1.814	0.040	21	0.840	0.040	21	0.840	-	-	-	0.040	21	0.840
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	36.283	-	-	16.088	-	-	15.447	-	-	-	-	-	15.447
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	36.283	-	-	16.088	-	-	15.447	-	-	-	-	-	15.447
<b>Support - Support End Item Cost</b>																		
MANAGEMENT SERVICES - CONTRACTOR SERVICES	-	-	-	-	-	1.093	-	-	1.147	-	-	1.100	-	-	-	-	-	1.100
MANAGEMENT SERVICES - OTHER GOVERNMENT COSTS	-	-	-	-	-	0.760	-	-	0.798	-	-	0.764	-	-	-	-	-	0.764
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	1.853	-	-	1.945	-	-	1.864	-	-	-	-	-	1.864
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	38.136	-	-	18.033	-	-	17.311	-	-	-	-	-	17.311

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics / Combat Control
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

- a. Controlled Item will be funded with investment funds to purchase military communications equipment classified as critical protection items.
- b. Management Services: Cost support management with engineering and technical implementation. Supports Program TDC with Engineering, and technical support activities.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	38.136	18.033	17.311	-	17.311
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>38.136</b>	<b>18.033</b>	<b>17.311</b>	-	<b>17.311</b>

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics / Combat Control
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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
HUMAN MACHINE INTERFACE <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2021	Jul 2022	1,569	0.014	Y		Oct 2021
HUMAN MACHINE INTERFACE <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2022	Jul 2023	668	0.014	Y		Oct 2022
HUMAN MACHINE INTERFACE <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2023	Jan 2024	635	0.014	Y		Oct 2023
OPERATIONAL CONTROL SYSTEM (BAO KIT) <sup>(†)</sup>		2022	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	1,137	0.011	Y		Nov 2021
OPERATIONAL CONTROL SYSTEM (BAO KIT) <sup>(†)</sup>		2023	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	536	0.011	Y		Nov 2022
OPERATIONAL CONTROL SYSTEM (BAO KIT) <sup>(†)</sup>		2024	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	519	0.011	Y		Nov 2023
LINE OF SIGHT <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2021	Jul 2022	45	0.040	Y		Oct 2021
LINE OF SIGHT <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2022	Jul 2023	21	0.040	Y		Oct 2022
LINE OF SIGHT <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Nov 2023	Jul 2024	21	0.040	Y		Oct 2023

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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 <i>(Units in Each)</i>					Fiscal Year 2022													Fiscal Year 2023													BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023														
							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>HUMAN MACHINE INTERFACE</b>																																		
	1	2022	AF	1,569	0	1,569		A	-	-	-	-	-	-	-	-	-	110	75	100	125	150	100	150	134	165	130	175	155		0			
	1	2023	AF	668	0	668																								75	75	80	438	
	1	2024	AF	635	0	635																										635		
<b>OPERATIONAL CONTROL SYSTEM (BAO KIT)</b>																																		
	2	2022	AF	1,137	0	1,137				A	-	-	-	-	-	-	-	55	70	50	90	100	70	95	150	100	125	150	82		0			
	2	2023	AF	536	0	536																	A	-	-	-	-	-	-	-	-	60	476	
	2	2024	AF	519	0	519																										519		
<b>LINE OF SIGHT</b>																																		
	3	2022	AF	45	0	45		A	-	-	-	-	-	-	-	-	-	4	1	1	1	2	2	4	5	5	5	5	5	5		0		
	3	2023	AF	21	0	21																	A	-	-	-	-	-	-	-	1	1	1	18
	3	2024	AF	21	0	21																											21	
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
								C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	A	S		
								T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics / Combat Control
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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			
HUMAN MACHINE INTERFACE																																	
	1	2022	AF	1,569	1,569	0																							0				
	1	2023	AF	668	230	438	60	70	65	70	70	60	43																0				
	1	2024	AF	635	0	635		A -	-	50	60	55	52	57	70	60	60	65	55	51										0			
OPERATIONAL CONTROL SYSTEM (BAO KIT)																																	
	2	2022	AF	1,137	1,137	0																							0				
	2	2023	AF	536	60	476	70	50	60	50	70	50	50	50	26														0				
	2	2024	AF	519	0	519				A -	-	-	-	-	-	-	-	45	50	39	40	30	40	43	53	45	45	44	40	5	0		
LINE OF SIGHT																																	
	3	2022	AF	45	45	0																							0				
	3	2023	AF	21	3	18	1	2	2	4	4	5																	0				
	3	2024	AF	21	0	21		A -	-	-	-	-	-	-	-	1	1	1	1	2	2	3	2	4	1	3						0	
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837100 / Tactical C-E Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics / Combat Control
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Multiple - Multiple	1	1	1,000	1	2	2	4	0	0	0	0
2	Black Diamond, LLC - AZ	1	1	900	1	4	8	12	0	0	0	0
3	Multiple - Multiple	1	1	100	1	2	8	10	0	0	0	0

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5.605	14.228	14.053	30.407	-	30.407	34.730	35.467	36.708	37.486	-	208.684
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5.605	14.228	14.053	30.407	-	30.407	34.730	35.467	36.708	37.486	-	208.684
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>5.605</b>	<b>14.228</b>	<b>14.053</b>	<b>30.407</b>	<b>-</b>	<b>30.407</b>	<b>34.730</b>	<b>35.467</b>	<b>36.708</b>	<b>37.486</b>	<b>-</b>	<b>208.684</b>

*(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:**

PE 0303133F HIGH FREQUENCY GLOBAL COMMUNICATIONS SYSTEM (HFGCS)

The High Frequency Global Communications System (HFGCS) equipment replacement program procures, integrates, modernizes/technical refresh, and fields high frequency (HF) radio equipment, network infrastructure, and transmit /receive antennas for 13 strategically located ground stations worldwide and 2 network control stations. The hardware and integration is based on commercial-off-the-shelf (COTS) or Government-developed products that have been configured for the Department of Defense (DOD), to provide the unique military capabilities required to function as a strategic HF system. The need for modern, robust, resilient, and dependable radio stations with beyond line of sight radio coverage has been identified to ensure HF radio communications is available in areas of interest to the United States.

HFGCS is the DoD's single global, strategic, high-power HF Nuclear Command, Control and Communication (NC3), and non-nuclear Command and Control (C2) network serving the DOD and other federal agencies. HFGCS consists of the two major components: the radio /network infrastructure (Scope Command) and the antenna infrastructure (Antenna Program Support) which communicate with mobile assets (aircraft, ships, and land-based platforms). HFGCS is USSTRATCOM's primary strategic HF pre-attack NC3 dependency system providing broadcasts to global strategic forces. HFGCS supports aircrews, ground forces, naval operations (USN and USCG), and control stations, and is the primary HF C2 resource for Air Mobility Command cargo and tanker aircraft. Additional customers include White House Communications Agency (WHCA), Defense Communications System HF Entry, and other US government agencies. HFGCS supports war plan dissemination and daily operational requirements for USSTRATCOM, WHCA, Joint Chiefs of Staff (JCS), 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 Department of Homeland Security, Federal Emergency Management Agency, Transportation Security Administration, State Department and Civil Air Patrol. The HFGCS network supports Non Enduring Requirements with secure, robust, physically diverse terrestrial and airborne transmission paths providing information services between fixed and deployed operating locations. HFGCS has also been identified as a key beyond-line-of-sight communications component in supporting operations in a satellite challenged environment.

HFGCS supports HF Modernization with five lines of effort across the DoD: (1) Improve Arctic C2 by implementing modern HF standard waveforms and add station(s) at strategic locations to support that DoD; (2) Implement DoD HF Modernization strategy that synchronizes the efforts across the services to implement more robust and resilient waveforms and methods to execute the several critical missions supported; (3) Execute USAF HF Modernization requirements that directly supports the Airborne HF Radio Modernization (AHFRM) that allows modernized airborne radio equipment to communicate with the ground stations; (4) Integrate Air Operations Center (AOC) HF radio requirements and robust waveforms to serve as an alternate communications method in a satellite challenged environment; (5) Implement PACAF HF Strategy that improves PACAF support for the INDOPACOM AOR by supporting robust and resilient HF communications across the AOR; and, (6) Execute NC3 HF Modernization efforts.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The HFGCS program continues to update and modernize audio switching equipment, mitigate COTS obsolescence, and update other unsupportable end-of-life components and to provide increased mandated information assurance system security compliance requirements. This requires technical refresh of the unsustainable equipment and communications infrastructure supporting NC3 /C2 operations. New COTS components support future modernization efforts. In addition, new and updated equipment Included is Direct Mission Support /Program Support Costs (DMS/PMA), System Engineering, Joint Interoperability Test Center (JITC) installation testing and shipping costs for these procurement efforts.</p> <p>Military Necessity: Controlled Items will be funded with investment funds to purchase military communications equipment classified as critical protection items.</p> <p>PE 0305158F AF TACTICAL TERMINAL (AFTT) The AFTT program provides Integrated Broadcast Service (IBS)-compatible terminals (radios) that access the IBS broadcast providing AF warfighters strategic, operational, and tactical intelligence and warning information.</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Radio Equipment	P-5a, P-21	A		- / 5.605	- / 14.228	- / 14.053	- / 30.407	- / -	- / 30.407
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 5.605</b>	<b>- / 14.228</b>	<b>- / 14.053</b>	<b>- / 30.407</b>	<b>- / -</b>	<b>- / 30.407</b>

\*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 sum exactly due to rounding.

**Justification:**  
PE 0303133F HIGH FREQUENCY GLOBAL COMMUNICATIONS SYSTEM (HFGCS)

1. SCOPE COMMAND RADIO/NETWORK INFRASTRUCTURE: The Scope Command Radio/Network Infrastructure projects continue the implementation of replacement commercial off-the-shelf (COTS) radio and console capabilities into the HFGCS network. The FY2024 HFGCS Network Infrastructure program includes, but is not limited to, the Unified Capabilities/Audio Communications Functionality (UC/ACF) switch technical refresh, robust system status and fault management, eliminate interdependencies between network control stations for true autonomous operations, and start replacement of DMS scanning receivers. FY2024 continues installation of HF Modernization equipment that includes, but not limited to more robust waveforms and techniques to increase resiliency and reliability beginning basic mesh network integration. This funding request will also support potential diminishing manufacture sources and material shortages (DMSMS) and obsolescence solutions for radio equipment and network hardware/servers, to include if optimal, life of type buys or bridge buys limited to the program of record quantity. Equipment buys may include enhanced HF Modernization waveforms and capabilities to support existing and new capabilities from several lines of effort. Funds will be utilized for hardware updates/integration and initial spares that do not qualify for Centralized Asset Management (CAM) funding to include, but not limited to, updating existing site configurations to support modified network baselines and mandated cyber security compliance requirements.

A. FY24 funds integration and replacement of the scanning receiver equipment enterprise wide to replace the obsolete non-supportable equipment in the system. This critical component scans all critical mission frequencies for voice/data detection and alerts radio operators of an incoming call. Without these devices, the Scope Command system could not support any mission.

B. FY24 funds system logging/status reporting and autonomous operation of the system absent of the Network Control Stations (NCS). This will result in more reliable NCS operations, mission stability, and the ability of the system to report anomalous functioning to operators and cybersecurity personnel.

C. FY24 funds integration and replacement of the 30-year-old high power amplifiers (HPA) across the weapon system enterprise. The existing HPAs are becoming significantly expensive to sustain, have a significantly higher failure rate, and the original equipment manufacturer has indicated that they are discontinuing providing products in this market and will not certify that the old HPAs will operate with the advanced high frequency waveforms planned by the warfighter.

D. FY24 funds the replacement of weapon system uninterruptible power supply (UPS) equipment that is no longer supportable. UPS parts are not available, and they are critical to ensure a station continues operation with switchover from commercial power to backup generator.

2. HIGH FREQUENCY GLOBAL ANTENNA REPLACEMENT: A majority of the HFGCS system antennas have been in operation for over 35 years and have been subjected to degradation due to exposure to severe environmental conditions such as salt water and hurricane force winds. FY24 funds continue the replacement of critical antennas at 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. FY2024 efforts include, but are not limited to, replacing three antennas across the enterprise. This funding request will support potential DMSMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity. Funds will be utilized for hardware updates and spares that do not qualify for Centralized Asset Management (CAM) funding to include, but not limited to updating existing site configurations, compliance with local site installation restrictions, and mitigation of potential local environmental considerations.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY2024 funds for program management administration will include, but is not limited to, financial &amp; program management support, engineering, cyber security support/initiatives, travel, and various technical support for the program office. FY2024 also funds Direct Mission Support, including, but not limited to, support associated with engineering, sustainment engineering, shipping, and implementation. This includes operational acceptance testing and technical interchange meetings.</p> <p>PE 0305158F AF TACTICAL TERMINAL (AFTT) FY24 efforts upgrade AFTTs to meet revised crypto standards required to access the near real time critical threat and intelligence data provided via the IBS over-the-air broadcast.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment			<b>Item Number / Title [DODIC]:</b> Radio Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			5.605	14.228	14.053	30.407	-	30.407
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			5.605	14.228	14.053	30.407	-	30.407
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			<b>5.605</b>	<b>14.228</b>	<b>14.053</b>	<b>30.407</b>	<b>-</b>	<b>30.407</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Antenna Replacement Cost</b>																		
Recurring Cost																		
HFGCS Station Antenna Replacements <sup>(†)</sup>	1.121	5	5.605	1.550	1	1.550	1.623	3	4.869	1.957	3	5.870	-	-	-	1.957	3	5.870
Antenna Site Support	-	-	-	0.300	1	0.300	-	-	-	0.375	1	0.375	-	-	-	0.375	1	0.375
<i>Subtotal: Recurring Cost</i>	-	-	<i>5.605</i>	-	-	<i>1.850</i>	-	-	<i>4.869</i>	-	-	<i>6.245</i>	-	-	-	-	-	<i>6.245</i>
<i>Subtotal: Hardware - Antenna Replacement Cost</i>	-	-	<i>5.605</i>	-	-	<i>1.850</i>	-	-	<i>4.869</i>	-	-	<i>6.245</i>	-	-	-	-	-	<i>6.245</i>
<b>Hardware - Scope Command/Radio Network Infrastructure Cost</b>																		
Recurring Cost																		
Unified Capabilities/Audio Communications Functionality (UC/ACF)	-	-	-	7.614	1	7.614	0.110	1	0.110	-	-	-	-	-	-	-	-	-
HF Modernization	-	-	-	1.000	1	1.000	0.590	1	0.590	-	-	-	-	-	-	-	-	-
COTS Obsolescence	-	-	-	2.500	1	2.500	0.200	1	0.200	-	-	-	-	-	-	-	-	-
Scanning Receiver Modernization	-	-	-	-	-	-	3.020	1	3.020	0.180	1	0.180	-	-	-	0.180	1	0.180
Status Reporting & Autonomous Ops	-	-	-	-	-	-	3.464	1	3.464	-	-	-	-	-	-	-	-	-
System Logging Modernization	-	-	-	-	-	-	-	-	-	1.750	1	1.750	-	-	-	1.750	1	1.750

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7						<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment						<b>Item Number / Title [DODIC]:</b> Radio Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
NCS Split Site Modernization	-	-	-	-	-	-	-	-	-	2.200	1	2.200	-	-	-	2.200	1	2.200
HPA Replacement	-	-	-	-	-	-	-	-	-	0.180	1	0.180	-	-	-	0.180	1	0.180
Uninterruptible Power Supply (UPS)	-	-	-	-	-	-	-	-	-	1.665	1	1.665	-	-	-	1.665	1	1.665
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	11.114	-	-	7.384	-	-	5.975	-	-	-	-	-	5.975
<i>Subtotal: Hardware - Scope Command/Radio Network Infrastructure Cost</i>	-	-	-	-	-	11.114	-	-	7.384	-	-	5.975	-	-	-	-	-	5.975
<b>Hardware - Radio Equipment Cost</b>																		
<b>Non Recurring Cost</b>																		
Tactical Terminal <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.100	158	15.800	-	-	-	0.100	158	15.800
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	15.800	-	-	-	-	-	15.800
<i>Subtotal: Hardware - Radio Equipment Cost</i>	-	-	-	-	-	-	-	-	-	-	-	15.800	-	-	-	-	-	15.800
<b>Support - DMS/MS Cost</b>																		
Direct Mission Support (DMS)	-	-	-	-	-	0.693	-	-	0.675	-	-	0.950	-	-	-	-	-	0.950
Management Services (MS) - Contractor Services	-	-	-	-	-	0.450	-	-	0.985	-	-	1.175	-	-	-	-	-	1.175
Management Services - Other Government Costs	-	-	-	-	-	0.121	-	-	0.140	-	-	0.262	-	-	-	-	-	0.262
<i>Subtotal: Support - DMS/MS Cost</i>	-	-	-	-	-	1.264	-	-	1.800	-	-	2.387	-	-	-	-	-	2.387
<b>Gross/Weapon System Cost</b>	-	-	5.605	-	-	14.228	-	-	14.053	-	-	30.407	-	-	-	-	-	30.407

**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 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.

(†) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force</b>								<b>Date: March 2023</b>				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment					<b>Item Number / Title [DODIC]:</b> Radio Equipment				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
HFGCS Station Antenna Replacements <sup>(†)</sup>		2021	Long Wave, Inc. / Oklahoma City, OKC	Various	AFLCMC Tinker AFB	Oct 2020	May 2022	5	1.121	Y		Jul 2020
HFGCS Station Antenna Replacements <sup>(†)</sup>		2022	Long Wave, Inc. / Oklahoma City, OKC	Various	AFLCMC Tinker AFB	Oct 2021	Apr 2023	1	1.550	Y		
HFGCS Station Antenna Replacements <sup>(†)</sup>		2023	Long Wave Inc. / Oklahoma City, OKC	Various	AFLCMC Tinker AFB	Oct 2022	Apr 2024	3	1.623	Y		
HFGCS Station Antenna Replacements <sup>(†)</sup>		2024	Long Wave, Inc. / Oklahoma City, OKC	Various	AFLCMC Tinker AFB	Oct 2023	Apr 2025	3	1.957	Y		
Tactical Terminal <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Jan 2024	Jan 2026	158	0.100	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 7 **P-1 Line Item Number / Title:** 837190 / Radio Equipment **Item Number / Title [DODIC]:** Radio Equipment

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021														Fiscal Year 2022														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021														Calendar Year 2022														
							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>HFGCS Station Antenna Replacements</b>																																			
1		2021	AF	5	0	5	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0					
1		2022	AF	1	0	1																								1					
2		2023	AF	3	0	3																								3					
1		2024	AF	3	0	3																								3					
<b>Tactical Terminal</b>																																			
3		2024	AF	158	0	158																								158					
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment	<b>Item Number / Title [DODIC]:</b> Radio Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023														Fiscal Year 2024														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023														Calendar Year 2024														
							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>HFGCS Station Antenna Replacements</b>																																			
	1	2021	AF	5	5	0																								0					
	1	2022	AF	1	0	1	-	-	-	-	-	-	-	1																0					
	2	2023	AF	3	0	3	A	-	-	-	-	-	-	-														3	0						
	1	2024	AF	3	0	3																							3						
<b>Tactical Terminal</b>																																			
	3	2024	AF	158	0	158																						158							
							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					

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment	<b>Item Number / Title [DODIC]:</b> Radio Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2025													Fiscal Year 2026													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026													
							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>HFGCS Station Antenna Replacements</b>																																	
1		2021	AF	5	5	0																							0				
1		2022	AF	1	1	0																							0				
2		2023	AF	3	3	0																							0				
1		2024	AF	3	0	3	-	-	-	-	-	-	-	3															0				
<b>Tactical Terminal</b>																																	
3		2024	AF	158	0	158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158		0				
							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			



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837190 / Radio Equipment	<b>Item Number / Title [DODIC]:</b> Radio Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Long Wave, Inc. - Oklahoma City, OKC	1	1	3	1	1	18	19	0	0	0	0
2	Long Wave Inc. - Oklahoma City, OKC				0	0	0	0	0	0	0	0
3	TBD - TBD	1	960	1,200	1	4	24	28	0	0	0	0

**Remarks:**  
PE 0305158F AFTT: Cost Element Tactical Terminal production and delivery is anticipated to take between 18 and 24 months based on comparable industry production estimates.

"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 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	223.503	144.578	113.563	-	113.563	75.218	61.136	46.115	47.087	-	711.200
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	223.503	144.578	113.563	-	113.563	75.218	61.136	46.115	47.087	-	711.200
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>223.503</b>	<b>144.578</b>	<b>113.563</b>	-	<b>113.563</b>	<b>75.218</b>	<b>61.136</b>	<b>46.115</b>	<b>47.087</b>	-	<b>711.200</b>

*(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:**

FY24 funding totals include 3.458 thousand requested for Overseas Operational Requirements budget.

PE 0102325F Atmospheric Early Warning System  
Atmospheric Early Warning System (PE 0102325F)

PE 0207439F Electronic Warfare Integrated Reprogramming (EWIR)

DISTRIBUTED MISSION OPERATIONS AND THREAT CHANGE ANALYSIS: New start. Conducted by the 453rd Electronic Warfare Squadron (453 EWS), EWIR provides analytical capabilities and reachback support for DoD acquisition, planning and mission execution activities. These capabilities ensure electromagnetic warfare (EW) systems and integrated combat platforms correctly recognize and respond to enemy, friendly and noncombatant systems operating within the electromagnetic environment. The effort includes 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 and 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 0208535F Collateral Equipment - Tactical Air Forces

Collateral Equipment - Tactical Air Forces PE 0208535F/EIC FP15:

This program procures equipment to support the European Infrastructure Consolidation (EIC), providing equipment to fit-out the Joint Intelligence Analytic Center/NATO Intelligence Fusion Center (JIAC/NIFC) complex at RAF Molesworth. The JIAC/NIFC operational facilities at RAF Molesworth will consolidate European intelligence functions critical to the USEUCOM warfighting mission. Collateral Equipment was a FY23 new start.

PE 0308611F Communications and Information Technology

AFSPC Communications Infrastructure Equipment: Funds enable timely and assured delivery of data, video and voice communications supporting a wide range of Air Force organizations and decision makers, providing the space enterprise with a robust communications infrastructure. This funding supports life cycle management of space communications network(s) in order to maintain consistent, compatible, and interoperable capability in support of multi-domain operations. Funds are also needed to provide C4I support for military construction projects, a multitude of smaller, individual communications, computer, air traffic control and weather instrumentation connectivity needs. This funding will be executed by HQ AFSPC or associated space units.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0401319F VC-25B VC-25B Complex Communication Equipment was a FY 2023 new start. The VC-25B Program, formerly known as the Presidential Aircraft Recapitalization (PAR) Program, will replace the Presidential VC-25A fleet as it reaches the end of its planned 30-year life-cycle. The VC-25B Program Office will deliver a new fleet of aircraft to meet the requirements for the President to execute the duties of Commander-in-Chief, Head of State, and Chief Executive.</p> <p>PE 0804701F ADVANCED PILOT TRAINING T-7A Advanced Pilot Training Communication Equipment was a FY 2023 New Start. Advanced Pilot Training (APT) T-7A (formerly known as T-X) Program will develop, test, acquire, and sustain an affordable, agile, and integrated APT System consisting of 351 aircraft, Ground Based Training System, Maintenance Training System, support, infrastructure, and personnel to meet Air Education and Training Command's (AETC) need/start date of FY 2024.</p> <p>PE 0205219F MQ-9 UAV MQ-9 Reaper Squadron Operations Centers (SOCs) enable Remote Split Operations (RSO), provide critical mission data and tasking information to the aircrew and disseminate and/or exchange mission data with decision-makers and the intelligence community.</p> <p>PE 0303004F EIT CONNECT Air Combat Command (ACC) Lead Command Base Communications Infrastructure: E and 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 and 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. In FY2021, PE 0207436F (Engineering and Installation Support AF), efforts were transferred to PE 0303004F (EIT Connect), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>PE 0303005F EIT END USER DEVICES a. Air Force District Washington (AFDW) Base Communications Network Equipment: 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). In FY2021, PE 0305550F (Information Technology Services Management - Other), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio. b. Air Force Materiel Command (AFMC) Base Communications infrastructure Equipment: Funding allows AFMC to support AF operations by sustaining critical cyber systems that provide timely and assured delivery of data and voice communications for organizations at nine AFMC installations with 100,000 personnel. Funding directly supports the warfighter on a 24/7 operational basis by providing AFMC the ability to deliver cyber capabilities to sustain aircraft sortie generation rates, weapon systems availability, system operational testing, and timely acquisition of equipment parts. This program is vital for AFMC's life cycle management of network servers, service desk, repair of critical communications infrastructure, routers, ductwork, cables, Land Area Networks (LANs), voice and data switches, and Mass Notifications and Land Mobile Radio (LMR) systems. Funding allows for end-of-life replacement of end building node network, data and voice hardware that complies with AF cyber architecture enterprise standards. In FY2021, PE 0708550F (Information Technology Services Management - Logistics), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio. c. Air Force District Washington (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. In FY2021, PE 0408550F (Information Technology Services Management - Mobility Air Forces), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio. d. 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. Funds end of life IT connect infrastructure to provide dial</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>tone and Internet access across the AFSOC enterprise. This is a continuing requirement, where aging legacy components are no longer funded through other cyber portfolios and each MAJCOM must replace these critical components.</p> <p>In FY2021, PE 0208550F (Information Technology Services Management - Tactical Air Forces), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>e. 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 between PACAF units significantly raises the importance of a robust communications infrastructure to ensure war fighter access to secure voice, data, and video systems.</p> <p>In FY2021, PE 0208550F (Information Technology Services Management - Tactical Air Forces), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>f. Air Combat Command (ACC) Base Communications Infrastructure Equipment: ACC base communications funds support life cycle management of network servers, routers, ductwork, cables, LANs, voice and data switches, Land Mobile Radio (LMR) systems, and end building node hardware. This infrastructure meets the requirements of ACC's 143,000 active-duty, Air Force Reserve, Air National Guard and civilian personnel at 11 major bases and 7 associated units throughout the United States.</p> <p>In FY2021, PE 0208550F (Information Technology Services Management - Tactical Air Forces), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>g. USAFE-AFAFRICA Base Communications Infrastructure Equipment: USAFE-AFAFRICA base communications funding supports the acquisition, and installation of base network infrastructures, especially C2 communications, located at USAFE-AFAFRICA 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 the operational planning, delivering, sustaining, integrating, and managing of USAF communications capabilities, networks, and applications in the USEUCOM and USAFRICOM theaters based on geographical combatant command orders and plans. Base communications infrastructure is required to support the European Infrastructure Consolidation (EIC) which is an OSD-directed process to restructure basing of forces within the European Command (EUCOM) Area of Responsibility (AOR). Base communications infrastructure is also required to support the European Deterrence Initiative (EDI). EDI supports increased rotational presence of air, ground and sea forces throughout Europe, increased and added bilateral and multilateral exercises and training events with U.S. allies and partners in Europe, improved infrastructure to allow for greater responsiveness across Europe, enhanced prepositioning of U.S. equipment across Europe, and intensified our efforts to build partner capacity for newer NATO members and partners.</p> <p>In FY2021, PE 0208550F (Information Technology Services Management - Tactical Air Forces), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>h. 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 requirements include 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.</p> <p>In FY2021, PE 0808550F (Information Technology Services Management - Training), efforts were transferred to PE 0303005F (EIT End Devices), in order to align resources under the Enterprise Information Technology portfolio.</p> <p>PE 0505550F Information Technology Services Management - AFR Air Force Reserve Command (AFRC) Base Communications Infrastructure Equipment: Funds provide for recapitalization, and support of AFRC base communications infrastructure. AFRC is an AF MAJCOM consisting of a HQ, three Numbered Air Forces (NAFs), 45 flying wings/groups and more than 40 GSUs; 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.</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 Information Technology Services Management - ANG Air National Guard (ANG) Base Communications Infrastructure Equipment: Funding supports the operations, maintenance, and sustainment of IT components, infrastructure, and processes enabling effective operations and defense of the ANG enterprise portion of the Air Force Network (AFNet). Funds provide for IT life cycle support for 90 ANG Main Operating Bases (MOB), 153 GSUs, and the 299th Cyber</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Security Control (CSCS) weapon system. Funds support ANG-wide base communications infrastructure projects consistent with AF IT standards and for compatibility of the ANG enterprise with the AF and Department of Defense (DoD) centralized networks. A major component of this funding is to support the procurement and implementation of a robust Installation Notification and Warning System (INWS) that provides Giant Voice, Indoor Alerts, Telephone call/text alerts, software for computer alerts, and other alerting methods to meet DOD and Federal warning requirements for all ANG bases. This is a continuing requirement.

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.

PE 0305155F Theater Nuclear Weapons Storage and Security System  
 The Weapon Storage and Security System (WS3) is a NATO funded, US maintained/operated system of systems for secure storage and sustainment of U.S. weapons deployed in Europe. The WS3 Service Life Extension Program will addresses obsolescence issues with the Alarm Communication and Display (AC and D) system, update the encryption algorithm to Advanced Encryption Standard (AES) 256 for communicating alarm messages to the monitoring facilities, replace obsolete analogue components with modern Internet Protocol (IP)-based components (does NOT connect to the internet), replace old communication cables with modern fiber optic cables capable of handling modern digital bandwidth, replace out-of-production assessment cameras, replaces antiquated Monitoring Facility Operator trainers, add video security capabilities, and improve sustainability; it will extend system service life to 2050.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	213.813	127.954	102.027	-	102.027	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.337	16.285	11.185	-	11.185	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.353	0.339	0.351	-	0.351	-	-	-	-
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>223.503</b>	<b>144.578</b>	<b>113.563</b>	-	<b>113.563</b>	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications **P-1 Line Item Number / Title:** 837300 / Base Comm Infrastructure  
**Equip / BSA 7: Organization and Base**

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Atmospheric Early Warning System	P-5a, P-21	A		- / -	- / 3.953	- / 0.000	- / 4.011	- / -	- / 4.011
P-5	Electronic Warfare Integrated Reprogramming (EWIR)	P-5a, P-21	A		- / -	- / 1.976	- / 0.000	- / 0.000	- / -	- / 0.000
P-5	Theater Nuclear Weapon Storage & Security System	P-5a, P-21	A		- / -	- / 58.445	- / 10.194	- / 2.472	- / -	- / 2.472
P-5	VC-25B	P-5a, P-21	A		- / -	- / 0.000	- / 0.378	- / 0.000	- / -	- / 0.000
P-5	Advanced Pilot Training System T-7A	P-5a, P-21	A		- / -	- / 0.000	- / 0.700	- / 0.000	- / -	- / 0.000
P-5	MQ-9 UAV		A		- / -	- / 92.326	- / 11.451	- / 0.000	- / -	- / 0.000
P-5	EIT CONNECT	P-5a, P-21	A		- / -	- / 16.407	- / 27.914	- / 16.335	- / -	- / 16.335
P-5	EIT END USER DEVICES	P-5a, P-21	A		- / -	- / 40.705	- / 77.317	- / 79.174	- / -	- / 79.174
P-5	Information Technology Services Management - AFR	P-5a, P-21	A		- / -	- / 0.353	- / 0.339	- / 0.352	- / -	- / 0.352
P-5	Information Technology Services Management - ANG	P-5a, P-21	A		- / -	- / 9.337	- / 16.285	- / 11.219	- / -	- / 11.219
P-5	Information Technology Services Management - Logistics		A		- / -	- / 0.001	- / 0.000	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 223.503</b>	<b>- / 144.578</b>	<b>- / 113.563</b>	<b>- / -</b>	<b>- / 113.563</b>

\*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 sum exactly due to rounding.

**Justification:**

This program, PE 0102325F P-5, is a new start.

PE 0207439F Electronic Warfare Integrated Reprogramming (EWIR) - P40A  
 FY 2024 no funding requested.

PE 0102325F Atmospheric Early Warning System  
 FY24 funds establish radio communications capability between the existing Hawaii ARSR-4 long-range radar and command and control sites.

PE 0804701F ADVANCED PILOT TRAINING T-7A - P-40A  
 Advanced Pilot Training T-7A Facility Communication Equipment was a FY 2023 New Start.  
 FY2024 no funding requested.

PE 0205219F MQ-9 UAV  
 MQ-9 Reaper Remotely Piloted Aircraft (RPA) Squadron Operations Centers (SOC):  
 procurement funding for the program.  
 FY24 no funding requested  
 PE 0303004F EIT CONNECT

FY23 is the final year of

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Air Combat Command (ACC) Lead Command Base Communications Infrastructure: E and 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 and 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. FY2024 funding procures equipment to support enterprise network capability and life cycle replacement of common user communication systems.</p> <p>PE 0303005F EIT END USER DEVICES</p> <p>a. Air Force District Washington (AFDW) Base Communications Network Equipment: FY 2024 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).</p> <p>b. Air Force Materiel Command (AFMC) Communications Infrastructure Equipment: FY 2024 funds supported command wide and base approved, MAJCOM validated communications requirements. These provide base life cycle management of AFMC's classified and unclassified network server consolidation, Land Mobile Radio (LMR) systems, routers, voice and data switches, ductwork, cabling, and end building node hardware that support UC and communications infrastructure. Procurements include VoIP solutions to replace the obsolete telephone switches and communications infrastructure.</p> <p>c. Air Force District Washington (AFDW) Base Communications Infrastructure Equipment: FY 2024 funds procured 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 to support high-quality, high-speed connections to public and classified networks in support of National Capitol Region (NCR) mission requirements.</p> <p>d. Air Force Special Operations Command (AFSOC) Base Communications Infrastructure Equipment: FY 2024 funds were 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.</p> <p>e. Pacific Air Forces (PACAF) Base Communications Infrastructure Equipment: FY 2024 funding supports PACAF's acquisition and installation of Unified Capabilities (UC) and communications infrastructure at remote and Geographically Separated Unit (GSU) locations. Procurements include 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.</p> <p>f. Air Combat Command (ACC) Base Communications Infrastructure Equipment: FY 2024 funds continued 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.</p> <p>g. USAFE-AFAFRICA Base Communications Infrastructure Equipment: FY 2024 funds replaced USAFE's outdated Land Mobile Radio distribution systems between intrabase communication networks/nodes thereby eliminating bottlenecks in trunking systems across USAFE-AFAFRICA Main Operating Bases (MOBs) and GSUs. Base network infrastructure procurements meet network communications requirements for USAFE-AFAFRICA users at MOBS and GSUs. Additionally, FY 2022 funds procure communications infrastructure in support of the EIC and procure equipment to support the European Deterrence Initiative (EDI). EDI requires additional long haul communication support to support increased rotational presence of air, ground and sea forces throughout Europe.</p> <p>h. Air Education and Training Command (AETC) Base Communications Infrastructure Equipment: FY 2024 funds were used to continue the process of replacing AETC legacy base LAN infrastructure originally designed to carry data only in order to comply with the increased reliability required under Assured Service LAN (ASLAN) as other services (e.g., voice, enterprise LMR) are transitioned to the LAN. FY24 Overseas Operational Requirements funding (3.458M) procure base communication infrastructure.</p> <p>PE 0505550F Information Technology Services Management - AFR Air Force Reserve Command (AFRC) Base Communications Infrastructure Equipment: FY2024 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.</p>		



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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 7: Organization and Base		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

PE 0508550F Information Technology Services Management - ANG  
Air National Guard (ANG) Base Communications Infrastructure Equipment:  
FY2024 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 0305155F Theater Nuclear Weapons Storage and Security System  
FY2024 funds implements national security presidential guidance and combatant commander recommendations following the 2018 Nuclear Posture Review. This program is tightly integrated with several high priority programs required for F-35 bed-down and requires full funding to meet program milestones. Additionally, this program is required to support NATO plans and the evolving threat environment.

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Atmospheric Early Warning System
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	3.953	0.000	4.011	-	4.011
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	3.953	0.000	4.011	-	4.011
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>3.953</b>	<b>0.000</b>	<b>4.011</b>	-	<b>4.011</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Atmospheric Early Warning System Cost																		
Recurring Cost																		
Atmospheric Early Warning System <sup>(t)</sup>	-	-	-	3.953	1	3.953	-	-	0.000	4.011	1	4.011	-	-	-	4.011	1	4.011
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.953	-	-	0.000	-	-	4.011	-	-	-	-	-	4.011
<i>Subtotal: Hardware - Atmospheric Early Warning System Cost</i>	-	-	-	-	-	3.953	-	-	0.000	-	-	4.011	-	-	-	-	-	4.011
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	3.953	-	-	0.000	-	-	4.011	-	-	-	-	-	4.011

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	3.953	0.000	4.011	-	4.011
<b>Total: Secondary Distribution</b>	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	3.953	0.000	4.011	-	4.011

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Atmospheric Early Warning System
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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
Atmospheric Early Warning System <sup>(†)</sup>		2022	Various / Various	Various	Hanscom AFB	Jun 2022	Dec 2022	1	3.953	Y		Dec 2021
Atmospheric Early Warning System <sup>(†)</sup>		2024	Various / Various	Various	Hanscom AFB	Apr 2024	Oct 2024	1	4.011	Y		Dec 2023

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Air Force Date: March 2023

Appropriation / Budget Activity / Budget Sub Activity: 3080F / 03 / 7 P-1 Line Item Number / Title: 837300 / Base Comm Infrastructure Item Number / Title [DODIC]: Atmospheric Early Warning System

Table with columns: Cost Elements (Units in Each), Fiscal Year 2022, Fiscal Year 2023, BALANCE. Includes sub-headers for Calendar Year 2022 and Calendar Year 2023 with monthly breakdowns (OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP).

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Atmospheric Early Warning System
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025																														
							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																					
Atmospheric Early Warning System																																																			
1		2022	AF	1	1	0																													0																
1		2024	AF	1	0	1															A	-	-	-	-	-	-	1															0								
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> </tr> </table>																												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
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																												

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Atmospheric Early Warning System
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various			1	0	7	6	13	0	0	0	0

"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 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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>		<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		-	1.976	0.000	0.000	-	0.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )		-	1.976	0.000	0.000	-	0.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )		-	<b>1.976</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>
<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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - EWIR Communications Infrastructure Cost																		
Non Recurring Cost																		
Data Storage Arrays <sup>(†)</sup>	-	-	-	0.900	1	0.900	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Data Servers <sup>(†)</sup>	-	-	-	0.488	1	0.488	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
LAN Switches <sup>(†)</sup>	-	-	-	0.084	1	0.084	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Network Interface Storage <sup>(†)</sup>	-	-	-	0.504	1	0.504	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	1.976	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Hardware - EWIR Communications Infrastructure Cost</i>	-	-	-	-	-	1.976	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	1.976	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	1.976	0.000	0.000	-	0.000
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	Total Obligation Authority	1.976	0.000	0.000	-	0.000

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

(†) indicates the presence of a P-5a



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure				<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)				

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
Data Storage Arrays <sup>(†)</sup>		2022	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2022	Apr 2022	1	0.900	Y		
Data Servers <sup>(†)</sup>		2022	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2022	Apr 2022	1	0.488	Y		
LAN Switches <sup>(†)</sup>		2022	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2022	Apr 2022	1	0.084	Y		
Network Interface Storage <sup>(†)</sup>		2022	Various / Various	C / IDIQ	AFLCMC/HI - Business & Enterprise Systems	Mar 2022	Apr 2022	1	0.504	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023														
							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		
Data Storage Arrays																																	
	1	2022	AF		1	0	1																										0
Data Servers																																	
	2	2022	AF		1	0	1																									0	
LAN Switches																																	
	3	2022	AF		1	0	1																									0	
Network Interface Storage																																	
	4	2022	AF		1	0	1																									0	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Electronic Warfare Integrated Reprogramming (EWIR)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various	1	1	1	1	6	1	7	0	0	0	0
2	Various - Various	1	1	1	1	6	1	7	0	0	0	0
3	Various - Various	1	1	1	1	6	1	7	0	0	0	0
4	Various - Various	1	1	1	1	6	1	7	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	58.445	10.194	2.472	-	2.472
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	58.445	10.194	2.472	-	2.472
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>58.445</b>	<b>10.194</b>	<b>2.472</b>	-	<b>2.472</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Theater Nuclear Weapon Storage &amp; Security System Cost</b>																		
Recurring Cost																		
Weapons Storage and Security Systems [WS3] Storage Life Extension Program [SLEP] <sup>(†)</sup>	-	-	-	0.545	22	12.000	-	-	-	-	-	-	-	-	-	-	-	-
Disablement Management System [DMS] <sup>(†)</sup>	-	-	-	0.311	82	25.500	0.392	26	10.194	0.412	6	2.472	-	-	-	0.412	6	2.472
Secure Transportable Maintenance System [STMS] <sup>(†)</sup>	-	-	-	2.000	2	4.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	41.500	-	-	10.194	-	-	2.472	-	-	-	-	-	2.472
<i>Subtotal: Hardware - Theater Nuclear Weapon Storage &amp; Security System Cost</i>	-	-	-	-	-	41.500	-	-	10.194	-	-	2.472	-	-	-	-	-	2.472
<b>Logistics - Theater Nuclear Weapon Storage &amp; Security System Cost</b>																		
Non Recurring Cost																		
Base Communication Infrastructure	-	-	-	16.945	1	16.945	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	16.945	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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: Logistics - Theater Nuclear Weapon Storage &amp; Security System Cost</i>	-	-	-	-	-	16.945	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	58.445	-	-	10.194	-	-	2.472	-	-	-	-	-	2.472

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	58.445	10.194	2.472	-	2.472
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	58.445	10.194	2.472	-	2.472

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure				<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System				

<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ M)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
Weapons Storage and Security Systems [WS3] Storage Life Extension Program [SLEP]		2022	Various / Albuquerque, NM	Various	AFNWC	Nov 2021	Apr 2022	22	0.545	Y		
Disablement Management System [DMS] <sup>(†)</sup>		2022	Sandia National Labs (SNL) / Albuquerque, NM	MIPR	AFNWC	Jul 2022	Oct 2022	82	0.311	Y		
Disablement Management System [DMS] <sup>(†)</sup>		2023	Sandia National Labs (SNL) / Albuquerque, NM	MIPR	AFNWC	Nov 2022	Apr 2023	26	0.392	Y		
Disablement Management System [DMS] <sup>(†)</sup>		2024	Sandia National Labs (SNL) / Albuquerque, NM	MIPR	AFNWC	May 2024	Dec 2024	6	0.412	Y		
Secure Transportable Maintenance System [STMS] <sup>(†)</sup>		2022	Battelle / Albuquerque, NM	SS / CPFF	AFNWC	Apr 2022	Apr 2023	2	2.000	Y		Mar 2022

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7										<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure										<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
Disablement Management System [DMS]																															
	1	2022	AF	82	0	82																							0		
	1	2023	AF	26	0	26																							0		
	1	2024	AF	6	0	6																							6		
Secure Transportable Maintenance System [STMS]																															
	2	2022	AF	2	0	2																							0		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Disablement Management System [DMS]																															
	1	2022	AF	82	82	0																							0		
	1	2023	AF	26	26	0																							0		
	1	2024	AF	6	0	6																							0		
Secure Transportable Maintenance System [STMS]																															
	2	2022	AF	2	2	0																							0		



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Theater Nuclear Weapon Storage & Security System

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sandia National Labs (SNL) - Albuquerque, NM			100	0	0	0	0	0	8	7	15
2	Battelle - Albuquerque, NM			100	1	7	12	19	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> VC-25B
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.378	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.378	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.000</b>	<b>0.378</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - VC-25B Cost																		
Non Recurring Cost																		
Base Communication Infrastructure <sup>(t)</sup>	-	-	-	-	-	0.000	0.378	1	0.378	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Non Recurring Cost	-	-	-	-	-	0.000	-	-	0.378	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Hardware - VC-25B Cost	-	-	-	-	-	0.000	-	-	0.378	-	-	0.000	-	-	-	-	-	0.000
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.000</b>	-	-	<b>0.378</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	0.000	0.378	0.000	-	0.000
<b>Total: Secondary Distribution</b>	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	0.000	0.378	0.000	-	0.000

<sup>(t)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> VC-25B
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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
Base Communication Infrastructure <sup>(†)</sup>		2023	Various / Andrews AFB	Various	TBD	Sep 2023	Oct 2023	1	0.378	Y		Aug 2023

<sup>(†)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> VC-25B
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024													
							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			
Base Communication Infrastructure																																	
	1	2023	AF	1	0	1																								0			

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> VC-25B
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Andrews AFB			5	0	12	1	13	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Advanced Pilot Training System T-7A
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.700	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.700	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.000</b>	<b>0.700</b>	<b>0.000</b>	-	<b>0.000</b>

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

Initial Spares (\$ in Millions)	-	0.000	0.000	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Advanced Pilot Training System T-7A Cost																		
Recurring Cost																		
Data, voice and video Base Communication Infrastructure Equipment for AETC facilities <sup>(1)</sup>	-	-	-	-	-	0.000	0.700	1	0.700	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.000	-	-	0.700	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Advanced Pilot Training System T-7A Cost</i>	-	-	-	-	-	0.000	-	-	0.700	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.000	-	-	0.700	-	-	0.000	-	-	-	-	-	0.000

**Remarks:**

Funding was originally assigned to 837300 in FY23 for base communications infrastructure that originally included an antenna farm for T-7A data links. This funding is planned to be realigned in FY25 to base procured equipment 845010 for sunshades for the T-7A.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF					
Quantity	-	-	-	-	-
Total Obligation Authority	0.000	0.700	-	-	-
<b>Total: Secondary Distribution</b>					
Quantity	-	-	-	-	-
Total Obligation Authority	0.000	0.700	0.000	-	0.000

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Advanced Pilot Training System T-7A
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
<sup>(†)</sup> indicates the presence of a P-5a		

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Advanced Pilot Training System T-7A
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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
Data, voice and video Base Communication Infrastructure Equipment for AETC facilities <sup>(†)</sup>		2023	TBD / TBD	TBD	Hanscom AFB	Jan 2023	May 2023	1	0.700	Y		Nov 2022

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Advanced Pilot Training System T-7A
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
Data, voice and video Base Communication Infrastructure Equipment for AETC facilities																															
1		2023	AF	1	0	1				A	-	-	-	-	1														0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Advanced Pilot Training System T-7A

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD			4	0	4	4	8	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> MQ-9 UAV
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	92.326	11.451	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	92.326	11.451	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>92.326</b>	<b>11.451</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - MQ-9 UAV Cost</b>																		
Non Recurring Cost																		
Equipment	-	-	-	4.281	4	17.124	4.040	1	4.040	-	-	-	-	-	-	-	-	-
ACC Equipment	-	-	-	8.901	5	44.507	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	61.631	-	-	4.040	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - MQ-9 UAV Cost</i>	-	-	-	-	-	61.631	-	-	4.040	-	-	-	-	-	-	-	-	-
<b>Software - MQ-9 UAV Cost</b>																		
Non Recurring Cost																		
Software buys	-	-	-	0.658	4	2.632	0.580	1	0.580	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	2.632	-	-	0.580	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software - MQ-9 UAV Cost</i>	-	-	-	-	-	2.632	-	-	0.580	-	-	-	-	-	-	-	-	-
<b>Logistics - MQ-9 UAV Cost</b>																		
Non Recurring Cost																		
Misc - Admin Error	-	-	-	-	-	25.956	-	-	5.050	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	25.956	-	-	5.050	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Logistics - MQ-9 UAV Cost</i>	-	-	-	-	-	25.956	-	-	5.050	-	-	0.000	-	-	-	-	-	0.000
<b>Support - MQ-9 UAV Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7						<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure						<b>Item Number / Title [DODIC]:</b> MQ-9 UAV					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 Other Government Costs	-	-	-	-	-	0.300	-	-	0.300	-	-	-	-	-	-	-	-	-
Installation Contract	-	-	-	-	-	1.807	-	-	1.481	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - MQ-9 UAV Cost</i>	-	-	-	-	-	<b>2.107</b>	-	-	<b>1.781</b>	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>92.326</b>	-	-	<b>11.451</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	92.326	11.451	0.000	-	0.000
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>92.326</b>	<b>11.451</b>	<b>0.000</b>	-	<b>0.000</b>

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT CONNECT
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	16.407	27.914	16.335	-	16.335
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	16.407	27.914	16.335	-	16.335
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>16.407</b>	<b>27.914</b>	<b>16.335</b>	-	<b>16.335</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - EIT CONNECT Cost																		
Recurring Cost																		
ACC Lead Command Base Communications Infrastructure upgrades <sup>(†)</sup>	-	-	-	1.262	13	16.407	2.147	13	27.914	1.257	13	16.335	-	-	-	1.257	13	16.335
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	16.407	-	-	27.914	-	-	16.335	-	-	-	-	-	16.335
<i>Subtotal: Hardware - EIT CONNECT Cost</i>	-	-	-	-	-	16.407	-	-	27.914	-	-	16.335	-	-	-	-	-	16.335
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	16.407	-	-	27.914	-	-	16.335	-	-	-	-	-	16.335

**Remarks:**

fund the install of Outside Plant, Inside Plant, Giant voice, LMR upgrades/replacement, NIPR/SIPR switches, ATCALs, Voice switching, integrated access devices, and wireless networks requirements for the Engineering Installations AF Work Plan

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	16.407	27.914	16.335	-	16.335
<b>Total:</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>16.407</b>	<b>27.914</b>	<b>16.335</b>	-	<b>16.335</b>

<sup>(†)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT CONNECT
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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
ACC Lead Command Base Communications Infrastructure upgrades <sup>(†)</sup>		2022	Various / Various	Various	ACC	Jan 2022	Mar 2022	13	1.262	Y		Nov 2021
ACC Lead Command Base Communications Infrastructure upgrades <sup>(†)</sup>		2023	Various / Various	Various	ACC	Jan 2023	Mar 2023	13	2.147	Y		Nov 2022
ACC Lead Command Base Communications Infrastructure upgrades <sup>(†)</sup>		2024	Various / Various	Various	ACC	Jan 2024	Mar 2024	13	1.257	Y		Nov 2023

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT CONNECT
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
ACC Lead Command Base Communications Infrastructure upgrades																																			
1		2022	AF	13	0	13																								0					
1		2023	AF	13	0	13																								0					
1		2024	AF	13	0	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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT CONNECT
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
ACC Lead Command Base Communications Infrastructure upgrades																																			
	1	2022	AF	13	13	0																									0				
	1	2023	AF	13	13	0																									0				
	1	2024	AF	13	0	13					A	-	-																		0				
							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					



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT CONNECT
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Various - Various	1	1	13	0	0	0	0	0	0	4	2	6

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7				<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure			<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	40.705	77.317	79.174	-	79.174
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	40.705	77.317	79.174	-	79.174
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>40.705</b>	<b>77.317</b>	<b>79.174</b>	-	<b>79.174</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - EIT END USER DEVICES - ACC Cost</b>																		
Recurring Cost																		
EIT Package - ACC <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310
Subtotal: Recurring Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
Subtotal: Hardware - EIT END USER DEVICES - ACC Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
<b>Hardware - EIT END USER DEVICES - AETC Cost</b>																		
Recurring Cost																		
EIT Package - AETC <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310
Subtotal: Recurring Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
Subtotal: Hardware - EIT END USER DEVICES - AETC Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
<b>Hardware - EIT END USER DEVICES - AFDW Cost</b>																		
Recurring Cost																		
EIT Package - AFDW <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310
Subtotal: Recurring Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
Subtotal: Hardware - EIT END USER DEVICES - AFDW Cost	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310
<b>Hardware - EIT END USER DEVICES - AFMC Cost</b>																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7							<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure						<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)			
<b>Recurring Cost</b>																					
EIT Package - AFMC <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310			
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<i>Subtotal: Hardware - EIT END USER DEVICES - AFMC Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<b>Hardware - EIT END USER DEVICES - AFSOC Cost</b>																					
<b>Recurring Cost</b>																					
EIT Package - AFSOC <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310			
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<i>Subtotal: Hardware - EIT END USER DEVICES - AFSOC Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<b>Hardware - EIT END USER DEVICES - PACAF Cost</b>																					
<b>Recurring Cost</b>																					
EIT Package - PACAF <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.045	1	11.045	11.310	1	11.310	-	-	-	11.310	1	11.310			
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<i>Subtotal: Hardware - EIT END USER DEVICES - PACAF Cost</i>	-	-	-	-	-	5.815	-	-	11.045	-	-	11.310	-	-	-	-	-	11.310			
<b>Hardware - EIT END USER DEVICES - USAFE Cost</b>																					
<b>Recurring Cost</b>																					
EIT Package - USAFE <sup>(†)</sup>	-	-	-	5.815	1	5.815	11.047	1	11.047	11.314	1	11.314	-	-	-	11.314	1	11.314			
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.815	-	-	11.047	-	-	11.314	-	-	-	-	-	11.314			
<i>Subtotal: Hardware - EIT END USER DEVICES - USAFE Cost</i>	-	-	-	-	-	5.815	-	-	11.047	-	-	11.314	-	-	-	-	-	11.314			
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	40.705	-	-	77.317	-	-	79.174	-	-	-	-	-	79.174			
<b>Secondary Distribution</b>							<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
AF							Quantity			-			-			-			-		
							Total Obligation Authority			40.705			77.317			79.174			-		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force				<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure		<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>MDAP/MAIS Code:</b>			
<b>Secondary Distribution</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	40.705	77.317	79.174	-	79.174

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

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES
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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
EIT Package - ACC <sup>(†)</sup>		2022	Multiple / Multiple	Various	TBD	Jan 2022	Jan 2022	1	5.815	Y		Nov 2021
EIT Package - ACC <sup>(†)</sup>		2023	Multiple / Multiple	Various	TBD	Oct 2022	Oct 2022	1	11.045	Y		Aug 2022
EIT Package - ACC <sup>(†)</sup>		2024	Multiple / Multiple	Various	TBD	Jan 2024	Feb 2024	1	11.310	Y		Nov 2023
EIT Package - AETC <sup>(†)</sup>		2022	Multiple / Multiple	Various	N/A	Jan 2022	Jan 2022	1	5.815	Y		Dec 2021
EIT Package - AETC <sup>(†)</sup>		2023	Multiple / Multiple	TBD	TBD	Oct 2022	Oct 2022	1	11.045	Y		Aug 2022
EIT Package - AETC <sup>(†)</sup>		2024	Multiple / Multiple	TBD	TBD	Jan 2024	Feb 2024	1	11.310	Y		Nov 2023
EIT Package - AFDW <sup>(†)</sup>		2022	Workd Wide Technology, LLC & Leidos / JBAB & JBA	Various	AFLCMC Hanscom AFB	Oct 2021	Oct 2021	1	5.815	Y		Aug 2021
EIT Package - AFDW <sup>(†)</sup>		2023	Leidos / JBA	TBD	AFDW	Oct 2022	Oct 2022	1	11.045	Y		Aug 2022
EIT Package - AFDW <sup>(†)</sup>		2024	TBD / JBA	TBD	AFDW	Dec 2023	Jan 2024	1	11.310	Y		Nov 2023
EIT Package - AFMC <sup>(†)</sup>		2022	World Wide Technology / Multiple	Reqn	WPAFB, OH	Jan 2022	Jan 2022	1	5.815	Y		Dec 2021
EIT Package - AFMC <sup>(†)</sup>		2023	TBD / Multiple	Reqn	Eglin AFB	Oct 2022	Oct 2022	1	11.045	Y		Jul 2022
EIT Package - AFMC <sup>(†)</sup>		2024	TBD / Multiple	Reqn	TBD	Jan 2024	Feb 2024	1	11.310	Y		Dec 2023
EIT Package - AFSOC <sup>(†)</sup>		2022	Multiple / Multiple	Various	N/A	Mar 2022	Mar 2022	1	5.815	Y		Feb 2022
EIT Package - AFSOC <sup>(†)</sup>		2023	Multiple / Multiple	TBD	TBD	Oct 2022	Oct 2022	1	11.045	Y		Jul 2022
EIT Package - AFSOC <sup>(†)</sup>		2024	Multiple / Multiple	TBD	TBD	Nov 2023	Dec 2023	1	11.310	Y		Oct 2023
EIT Package - PACAF <sup>(†)</sup>		2022	TBD / PACAF/INDOPACOM	MIPR	PACAF	Mar 2022	Mar 2022	1	5.815	Y		Feb 2022
EIT Package - PACAF <sup>(†)</sup>		2023	TBD / PACAF/INDOPACOM	MIPR	PACAF	Oct 2022	Oct 2022	1	11.045	Y		Aug 2022
EIT Package - PACAF <sup>(†)</sup>		2024	TBD / PACAF/INDOPACOM	MIPR	PACAF	Oct 2023	Oct 2023	1	11.310	Y		Aug 2023
EIT Package - USAFE <sup>(†)</sup>		2022	TBD / AFRICA	Various	USAFE	Aug 2022	Aug 2022	1	5.815	Y		Aug 2022
EIT Package - USAFE <sup>(†)</sup>		2023	TBD / AFRICA	Various	USAFE	Jul 2023	Jul 2023	1	11.047	Y		Jun 2023
EIT Package - USAFE <sup>(†)</sup>		2024	TBD / AFRICA	Various	USAFE	Jul 2024	Jul 2024	1	11.314	Y		Jun 2024

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 7 **P-1 Line Item Number / Title:** 837300 / Base Comm Infrastructure **Item Number / Title [DODIC]:** EIT END USER DEVICES

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022																	Fiscal Year 2023											BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022																	Calendar Year 2023											
							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>EIT Package - ACC</b>																																			
	1	2022	AF	1	0	1																							0						
	1	2023	AF	1	0	1																							0						
	1	2024	AF	1	0	1																							1						
<b>EIT Package - AETC</b>																																			
	2	2022	AF	1	0	1																							0						
	2	2023	AF	1	0	1																							0						
	2	2024	AF	1	0	1																							1						
<b>EIT Package - AFDW</b>																																			
	3	2022	AF	1	0	1																							0						
	4	2023	AF	1	0	1																							0						
	5	2024	AF	1	0	1																							1						
<b>EIT Package - AFMC</b>																																			
	6	2022	AF	1	0	1																							0						
	7	2023	AF	1	0	1																							0						
	7	2024	AF	1	0	1																							1						
<b>EIT Package - AFSOC</b>																																			
	8	2022	AF	1	0	1																							0						
	8	2023	AF	1	0	1																							0						
	8	2024	AF	1	0	1																							1						
<b>EIT Package - PACAF</b>																																			
	9	2022	AF	1	0	1																							0						
	9	2023	AF	1	0	1																							0						
	9	2024	AF	1	0	1																							1						
<b>EIT Package - USAFE</b>																																			
	10	2022	AF	1	0	1																							0						
	10	2023	AF	1	0	1																							0						
	10	2024	AF	1	0	1																							1						

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7							<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure							<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES					

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												B A L A N C E																					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025																																
							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																				
EIT Package - ACC																																																			
1	2022	AF		1	1	0																							0																						
1	2023	AF		1	1	0																							0																						
1	2024	AF		1	0	1											A -												0																						
EIT Package - AETC																																																			
2	2022	AF		1	1	0																							0																						
2	2023	AF		1	1	0																							0																						
2	2024	AF		1	0	1											A -												0																						
EIT Package - AFDW																																																			
3	2022	AF		1	1	0																							0																						
4	2023	AF		1	1	0																							0																						
5	2024	AF		1	0	1											A -												0																						
EIT Package - AFMC																																																			
6	2022	AF		1	1	0																							0																						
7	2023	AF		1	1	0																							0																						
7	2024	AF		1	0	1											A -												0																						
EIT Package - AFSOC																																																			
8	2022	AF		1	1	0																							0																						
8	2023	AF		1	1	0																							0																						
8	2024	AF		1	0	1											A -												0																						
EIT Package - PACAF																																																			
9	2022	AF		1	1	0																							0																						
9	2023	AF		1	1	0																							0																						
9	2024	AF		1	0	1											A1												0																						
EIT Package - USAFE																																																			
10	2022	AF		1	1	0																							0																						
10	2023	AF		1	1	0																							0																						
10	2024	AF		1	0	1																							0																						
<table style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td>O C T</td><td>N O V</td><td>D E C</td><td>J A N</td><td>F E B</td><td>M A R</td><td>A P R</td><td>M A Y</td><td>J U N</td><td>J U L</td><td>A U G</td><td>S E P</td><td>O C T</td><td>N O V</td><td>D E C</td><td>J A N</td><td>F E B</td><td>M A R</td><td>A P R</td><td>M A Y</td><td>J U N</td><td>J U L</td><td>A U G</td><td>S E P</td> </tr> </table>																												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
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																												

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> EIT END USER DEVICES
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Multiple - Multiple	1	1	1	0	0	0	0	0	0	4	1	5
2	Multiple - Multiple			1	0	0	0	0	0	0	4	1	5
3	Workd Wide Technology, LLC & Leidos - JBAB & JBA				0	0	0	0	0	0	0	0	0
4	Leidos - JBA				0	0	0	0	0	0	0	0	0
5	TBD - JBA	1	1	1	0	0	0	0	0	0	3	1	4
6	World Wide Technology - Multiple				0	0	0	0	0	0	0	0	0
7	TBD - Multiple	1	1	1	0	0	0	0	0	0	4	1	5
8	Multiple - Multiple	1	1	1	0	0	0	0	0	0	2	1	3
9	TBD - PACAF/INDOPACOM	1	1	1	0	0	0	0	0	0	1	0	1
10	TBD - AFRICA	1	1	1	0	0	0	0	0	0	10	0	10

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - AFR

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.353	0.339	0.352	-	0.352
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.353	0.339	0.352	-	0.352
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.353</b>	<b>0.339</b>	<b>0.352</b>	-	<b>0.352</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Information Technology Services Management - AFR Cost																		
Recurring Cost																		
ITSM - AFR <sup>(†)</sup>	-	-	-	0.353	1	0.353	0.339	1	0.339	0.352	1	0.352	-	-	-	0.352	1	0.352
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.353	-	-	0.339	-	-	0.352	-	-	-	-	-	0.352
<i>Subtotal: Hardware - Information Technology Services Management - AFR Cost</i>	-	-	-	-	-	0.353	-	-	0.339	-	-	0.352	-	-	-	-	-	0.352
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.353	-	-	0.339	-	-	0.352	-	-	-	-	-	0.352

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	0.000	0.000	0.001	-	0.001
AFR	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	0.353	0.339	0.351	-	0.351
<b>Total: Secondary Distribution</b>	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	0.353	0.339	0.352	-	0.352

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure				<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - AFR				

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
ITSM - AFR <sup>(t)</sup>		2022	Multiple / Multiple	MIPR	AFRC	Aug 2022	Oct 2022	1	0.353	Y		Jun 2022
ITSM - AFR <sup>(t)</sup>		2023	TBD / TBD	MIPR	AFRC	Mar 2023	Jun 2023	1	0.339	Y		Jan 2023
ITSM - AFR <sup>(t)</sup>		2024	TBD / TBD	MIPR	AFRC	Mar 2024	Jun 2024	1	0.352	Y		Jan 2024

<sup>(t)</sup> indicates the presence of a P-21



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7										<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure										<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - AFR									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025										BALANCE			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025													
							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
ITSM - AFR																														
	1	2022	AF	1	1	0																					0			
	2	2023	AF	1	1	0																					0			
	2	2024	AF	1	0	1																					0			
							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

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - AFR

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Multiple - Multiple				0	0	0	0	0	0	0	0	0
2	TBD - TBD			1	0	0	0	0	0	0	6	3	9

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	9.337	16.285	11.219	-	11.219
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	9.337	16.285	11.219	-	11.219
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>9.337</b>	<b>16.285</b>	<b>11.219</b>	-	<b>11.219</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Information Technology Services Management - ANG Cost																		
Recurring Cost																		
Installation Notification Warning System (INWS) <sup>(†)</sup>	-	-	-	0.488	15	7.326	0.570	16	9.120	0.579	15	8.686	-	-	-	0.579	15	8.686
Voice Switching Systems (VSS) <sup>(†)</sup>	-	-	-	0.503	4	2.011	0.512	14	7.165	0.507	5	2.533	-	-	-	0.507	5	2.533
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.337	-	-	16.285	-	-	11.219	-	-	-	-	-	11.219
<i>Subtotal: Hardware - Information Technology Services Management - ANG Cost</i>	-	-	-	-	-	9.337	-	-	16.285	-	-	11.219	-	-	-	-	-	11.219
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	9.337	-	-	16.285	-	-	11.219	-	-	-	-	-	11.219

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	0.000	0.000	0.034	-	0.034
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	9.337	16.285	11.185	-	11.185
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG

**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Secondary Distribution	Total Obligation Authority	9.337	16.285	11.219	-	11.219

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

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2024 Air Force							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7			<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure				<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG					

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
Installation Notification Warning System (INWS) <sup>(†)</sup>		2022	Technica / 22970 Indian Creek Dr. STE 500 Sterling VA 20166	MIPR	ARMY/ACC	Sep 2021	Sep 2022	15	0.488	Y		Apr 2021
Installation Notification Warning System (INWS) <sup>(†)</sup>		2023	Technica / 22970 Indian Creek Dr. STE 500 Sterling VA 20166	MIPR	ARMY/ACC	Sep 2022	Sep 2023	16	0.570	Y		Apr 2022
Installation Notification Warning System (INWS) <sup>(†)</sup>		2024	Technica / 22970 Indian Creek Dr. STE 500 Sterling VA 20166	MIPR	ARMY/ACC	Nov 2023	Sep 2024	15	0.579	N		Apr 2023
Voice Switching Systems (VSS) <sup>(†)</sup>		2022	Zivaro / 990 S BDWY STE 300 Denver CO 80209	MIPR	ARMY/ACC	Nov 2021	Sep 2022	4	0.503	Y		Oct 2021
Voice Switching Systems (VSS) <sup>(†)</sup>		2023	Zivaro / 990 S BDWY STE 300 Denver CO 80209	MIPR	ARMY/ACC	Nov 2022	Sep 2023	14	0.512	Y		Oct 2022
Voice Switching Systems (VSS) <sup>(†)</sup>		2024	Zivaro / 991 S BDWY STE 300 Denver CO 80209	MIPR	ARMY/ACC	Nov 2023	Sep 2024	5	0.507	N		Oct 2023

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	
		<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG	

Cost Elements (Units in Each)		Fiscal Year 2021												Fiscal Year 2022												BALANCE						
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022													
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A		M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	B	A		P	A	U	U	U	E
<b>Installation Notification Warning System (INWS)</b>																																
	1	2022	AF	15	0	15												A	-	-	-	-	-	-	-	-	-	-	15	0		
	1	2023	AF	16	0	16																								A	-	16
	1	2024	AF	15	0	15																										15
<b>Voice Switching Systems (VSS)</b>																																
	2	2022	AF	4	0	4													A	-	-	-	-	-	-	-	-	-	-	4	0	
	2	2023	AF	14	0	14																										14
	3	2024	AF	5	0	5																										5

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												
							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
Installation Notification Warning System (INWS)																															
	1	2022	AF	15	15	0																							0		
	1	2023	AF	16	0	16	-	-	-	-	-	-	-	-	-	-	-	16											0		
	1	2024	AF	15	0	15																							0		
Voice Switching Systems (VSS)																															
	2	2022	AF	4	4	0																							0		
	2	2023	AF	14	0	14																							0		
	3	2024	AF	5	0	5																							0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7		<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure
		<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - ANG

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Technica - 22970 Indian Creek Dr. STE 500 Sterling VA 20166			100	0	0	0	0	0	0	2	10	12
2	Zivaro - 990 S BDWY STE 300 Denver CO 80209				0	0	0	0	0	0	0	0	0
3	Zivaro - 991 S BDWY STE 300 Denver CO 80209			100	0	0	0	0	0	0	2	10	12

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 7	<b>P-1 Line Item Number / Title:</b> 837300 / Base Comm Infrastructure	<b>Item Number / Title [DODIC]:</b> Information Technology Services Management - Logistics

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.001	0.000	0.000	-	0.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.001	0.000	0.000	-	0.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Information Technology Services Management - Logistics Cost																		
Recurring Cost																		
Information Technology Services Management - Logistics	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Information Technology Services Management - Logistics Cost</i>	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	0.001	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	0.001	-	-	-	-
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	-	<b>0.000</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305114F

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	7.954	18.607	77.635	98.224	-	98.224	109.413	109.535	5.474	5.591	-	432.433
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	7.954	18.607	77.635	98.224	-	98.224	109.413	109.535	5.474	5.591	-	432.433
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>7.954</b>	<b>18.607</b>	<b>77.635</b>	<b>98.224</b>	-	<b>98.224</b>	<b>109.413</b>	<b>109.535</b>	<b>5.474</b>	<b>5.591</b>	-	<b>432.433</b>

*(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:**

PE 0102412F North Warning Systems POR - Talon Archer

Parts support for Talon Archer at the North Warning System Sites

PE 0305114F Air Traffic Control and Landing Systems - Low Cost Modifications

Fixed base and deployable ATCALs low cost modifications are initiated to resolve Diminishing Manufacturing Source (DMS) issues and minor system deficiencies/improvements identified through the ATCALs Weapon System Review-Executive Council (WSR-EC), policy TO 00-35D-54 Deficiency Reports, and Material Improvement initiatives. The implementation of these low-cost modifications decreases maintenance costs and improves system operational availability. The return on investment for these low-cost modifications will be realized immediately through decreased unscheduled depot and field level maintenance, enhanced performance, and operational safety. The operational availability of terminal navigational aids, national airspace systems, and precision approach and landing systems are at risk if low-dollar modifications are not provided to reverse unfavorable operational availability metrics.

PE 0305137F National Airspace System (NAS) - Low Cost Mods:

NAS is an Inactive ACAT I Joint FAA and DoD program which transitioned from Production to the Operations and Support (O&S) phase in FY17. Since then, NAS has been responsible for the overall sustaining, maintaining, and modification efforts of NAS systems. NAS low cost modifications are initiated to resolve DMS issues and system deficiencies/improvements identified through the NAS PMO and Weapon System Review-Executive Council (WSR-EC), policy TO 00-35D-54 Deficiency Reports, and Material Improvement initiatives. Supporting activities include, but are not limited to annual low cost modification for planned and unforeseen sustainment activities, obsolescence scans, DMS/Material Shortage studies/resolution, Technical Support Services (TSS) which includes Engineering Support, Site Specific Issue Resolution, Trouble Reports, Investigation Requests, and the Product Support Library.

PE 0305137F National Airspace System (NAS) - Mod 4: The NAS program is a Joint DoD/FAA program which entered the operations and support (O&S) phase in 2017. The FAA is the overall lead for the NAS program and the Air Force is the lead for the DoD. Full rate production deliveries began in 2005, and the last planned delivery / install is in 4Q FY23. Program focus is now on mitigation of Diminishing Manufacturing Source (DMS) and material shortage (MS) issues and implementation of system upgrades required to maintain standard configuration across the DoD and FAA. This allows the DoD to maintain a common baseline with the FAA and save support costs for a separate DoD baseline. NAS systems include the Digital Airport Surveillance Radar (DASR) and the DoD Advanced Automation System (DAAS) also known as the Standard Terminal Automation Replacement System (STARS).

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications		<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305114F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>PE 0604281F Tactical Data Networks Enterprise Tactical Data Links (TDL), as a subset of the broader airborne network, are used in a combat environment to exchange information such as messages, data, radar tracks, target information, platform status, imagery, and command assignments. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDLs provide a jam-resistant; secure digital data transfer network capability with new and standardized waveforms and data formats allowing Line-of-Sight (LOS) and Beyond-Line-of-Sight (BLOS) intra- and inter-flight communications. TDLs increase mission effectiveness, provide positive identification of aircraft in the network, correlate on and off-board sensor data sharing, target, and threat information, and provide the data link to accomplish time critical targeting and other mission update functions. TDLs are used by all service theater Command and Control (C2) elements, weapons platforms, and sensors.</p> <p>PE 0102417F Over the Horizon (OTHR) Backscatter Radar efforts are focused on procuring hardware associated with satisfying NORAD/NORTHCOM, USINDOPACOM and Joint Emerging/Urgent Operational Needs as required. FY24 focus will be on NORAD/NORTHCOM and EUCOM efforts procuring Transit and Receive array long lead items to line up with expected MILCON completion timelines to begin installation at selected site locations in CONUS and overseas operating areas. Prior year FY23 funds executed in this WSC but associated with PE 0102412F North Warning systems transitioned to PE 0102417F RDT&amp;E, AF Over the Horizon Backscatter Radar in FY24.</p>		

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**Exhibit P-40, Budget Line Item Justification: PB 2024 Air Force** **Date:** March 2023

**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): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305114F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	North Warning System (NWS)	P-5a, P-21	B		- / 0.000	- / 6.424	- / 73.465	- / 0.475	- / -	- / 0.475
P-5	Over-the-Horizon Backscatter Radar	P-5a, P-21	A		- / 0.000	- / 0.000	- / 0.000	- / 89.467	- / -	- / 89.467
P-3a	1 / ATCALs Low Cost Mods (PE 0305114F) (Reliability & Maintainability)		A		- / 1.648	- / 1.890	- / 1.817	- / 1.883	- / 0.000	- / 1.883
P-3a	1 / NAS Low Cost Mods (Reliability & Maintainability)		A		- / 1.882	- / 1.850	- / 1.777	- / 1.839	- / 0.000	- / 1.839
P-3a	3 / National Airspace System (NAS) Mod 4 (Reliability & Maintainability)		A		- / -	- / 0.598	- / 0.576	- / 4.560	- / 0.000	- / 4.560
P-5	Tactical Data Networks Enterprise		A		- / 0.000	- / 7.845	- / 0.000	- / 0.000	- / -	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 7.954</b>	<b>- / 18.607</b>	<b>- / 77.635</b>	<b>- / 98.224</b>	<b>- / -</b>	<b>- / 98.224</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	North Warning System (NWS)	P-5a, P-21	B		- / -	- / -	- / -	- / -	- / -	- / -
P-5	Over-the-Horizon Backscatter Radar	P-5a, P-21	A		- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / ATCALs Low Cost Mods (PE 0305114F) (Reliability & Maintainability)		A		- / 2.035	- / 2.079	- / 2.153	- / 2.199	- / -	- / 15.704
P-3a	1 / NAS Low Cost Mods (Reliability & Maintainability)		A		- / 1.993	- / 2.048	- / 2.119	- / 2.164	- / -	- / 15.672
P-3a	3 / National Airspace System (NAS) Mod 4 (Reliability & Maintainability)		A		- / 0.641	- / 0.643	- / 0.667	- / 0.681	- / -	- / 8.366
P-5	Tactical Data Networks Enterprise		A		- / -	- / -	- / -	- / -	- / -	- / -
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 109.413</b>	<b>- / 109.535</b>	<b>- / 5.474</b>	<b>- / 5.591</b>	<b>- / -</b>	<b>- / 432.433</b>

\*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 sum exactly due to rounding.

**Justification:**  
 This program, PE 0102417F OTHBR P-5, is a new start.

PE 0305114F Air Traffic Control and Landing Systems (ATCALs) - Low Cost Modifications  
 FY24 funds continue ATCALs low cost modifications as prioritized by the ATCALs PMO and WSR-EC.

**Efforts with funding starting in FY 2025 through FY 2028 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:**

(a) FY 2025 Cost Delta: 104.744 million  
 (b) FY 2026 Cost Delta: 104.765 million

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 8: Modifications		<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305114F
<b>Line Item MDAP/MAIS Code:</b> N/A		

- (c) FY 2027 Cost Delta: 0.535 million
- (d) FY 2028 Cost Delta: 0.547 million
- (e) FY Total Cost Delta: 388.267 million



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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> North Warning System (NWS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	6.424	73.465	0.475	-	0.475
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.000	6.424	73.465	0.475	-	0.475
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>6.424</b>	<b>73.465</b>	<b>0.475</b>	<b>-</b>	<b>0.475</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - North Warning System NWS Cost																		
Recurring Cost																		
TALON ARCHER	-	-	0.000	3.212	2	6.424	0.494	1	0.494	0.475	1	0.475	-	-	-	0.475	1	0.475
HLD Site System Hardware <sup>(†)</sup>	-	-	0.000	-	-	0.000	24.324	3	72.971	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	6.424	-	-	73.465	-	-	0.475	-	-	-	-	-	0.475
<i>Subtotal: Hardware - North Warning System NWS Cost</i>	-	-	0.000	-	-	6.424	-	-	73.465	-	-	0.475	-	-	-	-	-	0.475
<b>Gross/Weapon System Cost</b>	-	-	0.000	-	-	6.424	-	-	73.465	-	-	0.475	-	-	-	-	-	0.475

(†) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> North Warning System (NWS)
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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
HLD Site System Hardware <sup>(†)</sup>		2023	Various / Various	Various	JBSA-Lackland	May 2023	Jun 2023	3	24.324	N	Apr 2023	

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																							<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8												<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods											<b>Item Number / Title [DODIC]:</b> North Warning System (NWS)														
<b>Cost Elements</b> (Units in Each)							<b>Fiscal Year 2023</b>															<b>Fiscal Year 2024</b>															<b>BALANCE</b>
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	<b>Calendar Year 2023</b>															<b>Calendar Year 2024</b>															
							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							
HLD Site System Hardware																																					0
		1	2023	AF									A -	1	-	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							

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> North Warning System (NWS)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Various - Various			3	0	8	1	9	0	0	0	0

"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).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8						<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods						<b>Item Number / Title [DODIC]:</b> Over-the-Horizon Backscatter Radar						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				0.000		0.000		0.000		89.467		-		89.467				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				0.000		0.000		0.000		89.467		-		89.467				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
<b>Total Obligation Authority (\$ in Millions)</b>				<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>89.467</b>		<b>-</b>		<b>89.467</b>				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
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 sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ M)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Hardware - JEON EC-0015 Cost																		
Non Recurring Cost																		
Transmitter <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	24.170	1	24.170	-	-	-	24.170	1	24.170
Infrastructure	-	-	-	-	-	-	-	-	-	2.439	1	2.439	-	-	-	2.439	1	2.439
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	26.609	-	-	-	-	-	26.609
<i>Subtotal: Hardware - JEON EC-0015 Cost</i>	-	-	-	-	-	-	-	-	-	-	-	26.609	-	-	-	-	-	26.609
Hardware - Over the Horizon Backscatter Radar Cost																		
Recurring Cost																		
Transmit Spares <sup>(†)</sup>	-	-	0.000	-	-	0.000	-	-	0.000	0.450	13	5.855	-	-	-	0.450	13	5.855
Receive Spares <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.034	430	14.565	-	-	-	0.034	430	14.565
Down range Sounder <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.822	19	34.618	-	-	-	1.822	19	34.618
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	55.038	-	-	-	-	-	55.038
<i>Subtotal: Hardware - Over the Horizon Backscatter Radar Cost</i>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	55.038	-	-	-	-	-	55.038
Package Fielding - JEON EC-0015 Cost																		
Non Recurring Cost																		
Transportation/Freight	-	-	-	-	-	-	-	-	-	4.635	1	4.635	-	-	-	4.635	1	4.635
Integration	-	-	-	-	-	-	-	-	-	3.185	1	3.185	-	-	-	3.185	1	3.185

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date: March 2023</b>					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8						<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods						<b>Item Number / Title [DODIC]:</b> Over-the-Horizon Backscatter Radar					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>	-	-	-	-	-	-	-	-	-	-	-	7.820	-	-	-	-	-	7.820
<i>Subtotal: Package Fielding - JEON EC-0015 Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.820	-	-	-	-	-	7.820
<b>Gross/Weapon System Cost</b>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	89.467	-	-	-	-	-	89.467

**Remarks:**  
 Prior year FY23 funds executed in this WSC but associated with PE 0102412F North Warning systems and transitions to association with Over the Horizon Backscatter Radar in FY24.

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> Over-the-Horizon Backscatter Radar
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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
Transmitter <sup>(†)</sup>		2024	CEC / TX	SS / UCA	AFLCMC/HB - Battle Management	Nov 2023	Nov 2024	1	24.170	Y		
Transmit Spares <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Oct 2023	Jan 2024	13	0.450	Y		
Receive Spares <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Oct 2023	Jan 2024	430	0.034	Y		
Down range Sounder <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC Hanscom AFB	Oct 2023	Jan 2024	19	1.822	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> Over-the-Horizon Backscatter Radar
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O C C #		M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Fiscal Year 2024																Fiscal Year 2025												B A L A N C E
								Calendar Year 2024																Calendar Year 2025												
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E												
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P													
Transmitter																																				
1	2024	AF		1	0	1		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		0							
Transmit Spares																																				
2	2024	AF		13	0	13	A	-	-	-	13																		0							
Receive Spares																																				
3	2024	AF		430	0	430	A	-	-	-	430																		0							
Down range Sounder																																				
4	2024	AF		19	0	19	A	-	-	-	19																		0							
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E					
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P						



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> Over-the-Horizon Backscatter Radar
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	CEC - TX			15	0	2	12	14	0	0	0	0
2	TBD - TBD	4	13	13	13	1	3	4	0	0	0	0
3	TBD - TBD	4	430	430	430	1	3	4	0	0	0	0
4	TBD - TBD	10	19	19	19	1	3	4	0	0	0	0

"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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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 1 / ATCALs Low Cost Mods (PE 0305114F)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1.648	1.890	1.817	1.883	0.000	1.883	2.035	2.079	2.153	2.199	-	15.704
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1.648	1.890	1.817	1.883	0.000	1.883	2.035	2.079	2.153	2.199	-	15.704
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1.648</b>	<b>1.890</b>	<b>1.817</b>	<b>1.883</b>	<b>0.000</b>	<b>1.883</b>	<b>2.035</b>	<b>2.079</b>	<b>2.153</b>	<b>2.199</b>	-	<b>15.704</b>

*(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	0.000	0.000	0.000	-	0.000	0.000	-	-	-	-	0.000
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Fixed base and deployable Air Traffic Control and Landing System (ATCALs) low cost modifications are initiated to resolve diminishing manufacturing source (DMS) issues and minor system deficiencies/improvements identified through the ATCALs Weapon System Review-Executive Council (WSR-EC), policy TO 00-35D-54 Deficiency Reports, and Material Improvement initiatives. The implementation of these low-cost modifications decreases maintenance costs and improves system operational availability. The return on investment for these low-cost modifications will be realized immediately through decreased unscheduled depot and field level maintenance, enhanced performance, and operational safety. The operational availability of terminal navigational aids, national airspace systems, and precision approach and landing systems are at risk if low-dollar modifications are not provided to reverse unfavorable operational availability metrics.

**JUSTIFICATION:**

FY24 funds continue ATCALs low cost modifications as prioritized by the WSR-EC.

**Milestone/Development Status**

No development required. Low cost modifications are based on commercial off-the-shelf technology. Efforts generally include a first article for kit proofing.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8				<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods				<b>Modification Number / Title:</b> 1 / ATCALs Low Cost Mods (PE 0305114F)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> ATCALs			<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> ATCALs Low Cost Mods													
B Kits													
Recurring													
ATCALs Low Cost Mods:EQUIPMENT Group B (Active)	1 / 1.579	1 / 1.708	1 / 1.634	1 / 1.700	- / -	1 / 1.700	1 / 1.852	1 / 1.896	1 / 1.970	1 / 1.973	- / -	8 / 14.312	
<i>Subtotal: Recurring</i>	- / 1.579	- / 1.708	- / 1.634	- / 1.700	- / -	- / 1.700	- / 1.852	- / 1.896	- / 1.970	- / 1.973	- / -	- / 14.312	
<i>Subtotal: ATCALs Low Cost Mods</i>	- / 1.579	- / 1.708	- / 1.634	- / 1.700	- / -	- / 1.700	- / 1.852	- / 1.896	- / 1.970	- / 1.973	- / -	- / 14.312	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.579	- / 1.708	- / 1.634	- / 1.700	- / -	- / 1.700	- / 1.852	- / 1.896	- / 1.970	- / 1.973	- / -	- / 14.312	
<b>Support (All Modification Items)</b>													
PMA - Other Gov't Costs	- / -	110 / 0.113	- / 0.114	- / 0.114	- / -	- / 0.114	- / 0.114	- / 0.114	- / 0.114	- / 0.157	- / -	110 / 0.840	
<i>Subtotal: Support</i>	- / -	110 / 0.113	- / 0.114	- / 0.114	- / -	- / 0.114	- / 0.114	- / 0.114	- / 0.114	- / 0.157	- / -	110 / 0.840	
<b>Installation</b>													
<i>Modification Item 1 of 1:</i> ATCALs Low Cost Mods	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	8 / 0.552	
<i>Subtotal: Installation</i>	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	8 / 0.552	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>1.648</b>	<b>1.890</b>	<b>1.817</b>	<b>1.883</b>	<b>0.000</b>	<b>1.883</b>	<b>2.035</b>	<b>2.079</b>	<b>2.153</b>	<b>2.199</b>	<b>-</b>	<b>15.704</b>	

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 1 / ATCALs Low Cost Mods (PE 0305114F)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** ATCALs Low Cost Mods

**Manufacturer Information**

Manufacturer Name: Various	Manufacturer Location: Tinker AFB
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jul 2022	Jul 2023	Jul 2024	Jul 2025	Jul 2026	Jul 2027	Jul 2028

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 0.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069
FY 2022	- / -	1 / 0.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069
FY 2023	- / -	- / -	1 / 0.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069
FY 2024	- / -	- / -	- / -	1 / 0.069	- / -	1 / 0.069	- / -	- / -	- / -	- / -	- / -	1 / 0.069
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069	- / -	- / -	- / -	- / -	1 / 0.069
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069	- / -	- / -	- / -	1 / 0.069
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069	- / -	- / -	1 / 0.069
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.069	- / -	1 / 0.069
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	1 / 0.069	- / -	8 / 0.552

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	-	-	-	1	-	0	8
Out	1	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	0	8

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 1 / NAS Low Cost Mods

**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1.882	1.850	1.777	1.839	0.000	1.839	1.993	2.048	2.119	2.164	-	15.672
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1.882	1.850	1.777	1.839	0.000	1.839	1.993	2.048	2.119	2.164	-	15.672
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1.882</b>	<b>1.850</b>	<b>1.777</b>	<b>1.839</b>	<b>0.000</b>	<b>1.839</b>	<b>1.993</b>	<b>2.048</b>	<b>2.119</b>	<b>2.164</b>	-	<b>15.672</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The National Airspace System (NAS) system configuration is centrally maintained and certified by the Federal Aviation Administration (FAA) which has system engineering responsibility for the NAS. NAS low cost modifications are initiated to resolve diminishing manufacturing source issues and system deficiencies/improvements identified through the NAS PMO and Weapon System Review-Executive Council (WSR-EC), policy TO 00-35D-54 Deficiency Reports, and Material Improvement initiatives. Supporting activities include, but are not limited to annual low cost modification for planned and unforeseen sustainment activities, obsolescence scans, DMS/Material Shortage studies/resolution, Technical Support Services (TSS) which includes Engineering Support, Site Specific Issue Resolution, Trouble Reports, Investigation Requests, and the Product Support Library.

**Justification:**

FY24: Funds continue low cost modifications as prioritized by the NAS WSR-EC.

**Milestone/Development Status**

No development required. Low cost modifications are based on commercial off-the-shelf technology. Efforts generally include a first article for kit proofing.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8				<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods					<b>Modification Number / Title:</b> 1 / NAS Low Cost Mods			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected: NAS</b>				<b>Modification Type: Reliability &amp; Maintainability</b>				<b>Related RDT&amp;E PEs: 0305114F</b>				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1: Low Cost Mod Kits</i>												
B Kits												
Recurring												
Low Cost Mod Kits:EQUIPMENT Group B (Active)	1 / 1.509	1 / 1.471	1 / 1.392	1 / 1.447	- / -	1 / 1.447	1 / 1.593	1 / 1.640	1 / 1.703	1 / 1.740	- / -	8 / 12.495
<i>Subtotal: Recurring</i>	- / 1.509	- / 1.471	- / 1.392	- / 1.447	- / -	- / 1.447	- / 1.593	- / 1.640	- / 1.703	- / 1.740	- / -	- / 12.495
<i>Subtotal: Low Cost Mod Kits</i>	- / 1.509	- / 1.471	- / 1.392	- / 1.447	- / -	- / 1.447	- / 1.593	- / 1.640	- / 1.703	- / 1.740	- / -	- / 12.495
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.509	- / 1.471	- / 1.392	- / 1.447	- / -	- / 1.447	- / 1.593	- / 1.640	- / 1.703	- / 1.740	- / -	- / 12.495
<b>Support (All Modification Items)</b>												
PMA - Other Gov't Costs	- / 0.188	- / 0.192	- / 0.196	- / 0.194	- / -	- / 0.194	- / 0.196	- / 0.197	- / 0.198	- / 0.199	- / -	- / 1.560
<i>Subtotal: Support</i>	- / 0.188	- / 0.192	- / 0.196	- / 0.194	- / -	- / 0.194	- / 0.196	- / 0.197	- / 0.198	- / 0.199	- / -	- / 1.560
<b>Installation</b>												
<i>Modification Item 1 of 1: Low Cost Mod Kits</i>	1 / 0.185	1 / 0.187	1 / 0.189	1 / 0.198	- / -	1 / 0.198	1 / 0.204	1 / 0.211	1 / 0.218	1 / 0.225	- / -	8 / 1.617
<i>Subtotal: Installation</i>	1 / 0.185	1 / 0.187	1 / 0.189	1 / 0.198	- / -	1 / 0.198	1 / 0.204	1 / 0.211	1 / 0.218	1 / 0.225	- / -	8 / 1.617
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	<b>1.882</b>	<b>1.850</b>	<b>1.777</b>	<b>1.839</b>	<b>0.000</b>	<b>1.839</b>	<b>1.993</b>	<b>2.048</b>	<b>2.119</b>	<b>2.164</b>	<b>-</b>	<b>15.672</b>

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 1 / NAS Low Cost Mods

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** Low Cost Mod Kits

**Manufacturer Information**

Manufacturer Name: Various	Manufacturer Location: Tinker AFB, OK
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jul 2022	Jul 2023	Jul 2024	Jul 2025	Jul 2026	Jul 2027	Jul 2028

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 / 0.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.185
FY 2022	- / -	1 / 0.187	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.187
FY 2023	- / -	- / -	1 / 0.189	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.189
FY 2024	- / -	- / -	- / -	1 / 0.198	- / -	1 / 0.198	- / -	- / -	- / -	- / -	- / -	1 / 0.198
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.204	- / -	- / -	- / -	- / -	1 / 0.204
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.211	- / -	- / -	- / -	1 / 0.211
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.218	- / -	- / -	1 / 0.218
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.225	- / -	1 / 0.225
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.185	1 / 0.187	1 / 0.189	1 / 0.198	- / -	1 / 0.198	1 / 0.204	1 / 0.211	1 / 0.218	1 / 0.225	- / -	8 / 1.617

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	0	8
Out	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	0	8

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 3 / National Airspace System (NAS) Mod 4

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.598	0.576	4.560	0.000	4.560	0.641	0.643	0.667	0.681	-	8.366
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.598	0.576	4.560	0.000	4.560	0.641	0.643	0.667	0.681	-	8.366
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.598</b>	<b>0.576</b>	<b>4.560</b>	<b>0.000</b>	<b>4.560</b>	<b>0.641</b>	<b>0.643</b>	<b>0.667</b>	<b>0.681</b>	-	<b>8.366</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

National Airspace System (NAS) Com Elec Mods #838010 / PE 35137F - Mod 04 - The NAS program is a Joint DoD/FAA program which entered the operations and support (O&S) phase in 2017. The FAA is the overall lead for the NAS program and the Air Force is the lead for the DoD. Full rate production deliveries began in 2005, and the last planned delivery / install is in 4Q FY23. Program focus is now on mitigation of Diminishing Manufacturing Source (DMS) and material shortage (MS) issues and implementation of system upgrades required to maintain standard configuration across the DoD and FAA. This allows the DoD to maintain a common baseline with the FAA and save support costs for a separate DoD baseline. NAS systems include the Digital Airport Surveillance Radar (DASR) and the DoD Advanced Automation System (DAAS) also known as the Standard Terminal Automation Replacement System (STARS).

**Justification:**

FY24 funds modify 14 Standard Terminal Automation Replacement Systems (STARS) with new Main Display Monitors (MDMs) and 24 Digital Airport Surveillance Radars (DASR) with new Monopulse Secondary Surveillance Radar MSSR(MSSR) Remote System Monitors (MRSMs).

**Milestone/Development Status**

System in sustainment phase



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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8				<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods				<b>Modification Number / Title:</b> 3 / National Airspace System (NAS) Mod 4					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected: NAS</b>				<b>Modification Type: Reliability &amp; Maintainability</b>				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1: NAS Mod Kit</i>													
B Kits													
Recurring													
NAS Mod Kit:EQUIPMENT Group B (Active)	- / -	1 / 0.403	1 / 0.381	1 / 3.810	- / -	1 / 3.810	1 / 0.446	1 / 0.448	1 / 0.532	1 / 0.544	- / -	7 / 6.564	
<i>Subtotal: Recurring</i>	- / -	- / 0.403	- / 0.381	- / 3.810	- / -	- / 3.810	- / 0.446	- / 0.448	- / 0.532	- / 0.544	- / -	- / 6.564	
<i>Subtotal: NAS Mod Kit</i>	- / -	- / 0.403	- / 0.381	- / 3.810	- / -	- / 3.810	- / 0.446	- / 0.448	- / 0.532	- / 0.544	- / -	- / 6.564	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 0.403	- / 0.381	- / 3.810	- / -	- / 3.810	- / 0.446	- / 0.448	- / 0.532	- / 0.544	- / -	- / 6.564	
<b>Support (All Modification Items)</b>													
PMA - Other Gov't Costs	- / -	- / 0.120	- / 0.120	- / 0.325	- / -	- / 0.325	- / 0.120	- / 0.120	- / 0.135	- / 0.062	- / -	- / 1.002	
<i>Subtotal: Support</i>	- / -	- / 0.120	- / 0.120	- / 0.325	- / -	- / 0.325	- / 0.120	- / 0.120	- / 0.135	- / 0.062	- / -	- / 1.002	
<b>Installation</b>													
<i>Modification Item 1 of 1: NAS Mod Kit</i>	- / -	1 / 0.075	1 / 0.075	1 / 0.425	- / -	1 / 0.425	1 / 0.075	1 / 0.075	1 / 0.000	1 / 0.075	- / -	7 / 0.800	
<i>Subtotal: Installation</i>	- / -	1 / 0.075	1 / 0.075	1 / 0.425	- / -	1 / 0.425	1 / 0.075	1 / 0.075	1 / -	1 / 0.075	- / -	7 / 0.800	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	<b>0.598</b>	<b>0.576</b>	<b>4.560</b>	<b>0.000</b>	<b>4.560</b>	<b>0.641</b>	<b>0.643</b>	<b>0.667</b>	<b>0.681</b>	-	<b>8.366</b>	

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Modification Number / Title:</b> 3 / National Airspace System (NAS) Mod 4

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Modification Item 1 of 1:** NAS Mod Kit

**Manufacturer Information**

Manufacturer Name: Raytheon	Manufacturer Location: Marlboro, MA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 5

Dates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contract Dates	Jan 2022	Jan 2023	Jan 2024	Jan 2025	Jan 2026	Jan 2027	Jan 2028
Delivery Dates	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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 2022	- / -	1 / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.075
FY 2023	- / -	- / -	1 / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.075
FY 2024	- / -	- / -	- / -	1 / 0.425	- / -	1 / 0.425	- / -	- / -	- / -	- / -	- / -	1 / 0.425
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.075	- / -	- / -	- / -	- / -	1 / 0.075
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.075	- / -	- / -	- / -	1 / 0.075
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	- / -	- / -	1 / 0.000
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.075	- / -	1 / 0.075
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.075	1 / 0.075	1 / 0.425	- / -	1 / 0.425	1 / 0.075	1 / 0.075	1 / 0.000	1 / 0.075	- / -	7 / 0.800

**Installation Schedule**

	PYS	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				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	-	0	7
Out	0	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	0	7

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**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 03 / 8	<b>P-1 Line Item Number / Title:</b> 838010 / Comm Elect Mods	<b>Item Number / Title [DODIC]:</b> Tactical Data Networks Enterprise
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	7.845	0.000	0.000	-	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.000	7.845	0.000	0.000	-	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>7.845</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>0.000</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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>
Software - Tactical Data Link Planning Analysis and Monitoring Tool Cost																		
Non Recurring Cost																		
64281F	-	-	0.000	0.211	33	6.964	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>0.000</i>	-	-	<i>6.964</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.000</i>
<i>Subtotal: Software - Tactical Data Link Planning Analysis and Monitoring Tool Cost</i>	-	-	<i>0.000</i>	-	-	<i>6.964</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.000</i>
Support - Program Support Costs Cost																		
64281F	-	-	0.000	-	-	0.881	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Program Support Costs Cost</i>	-	-	<i>0.000</i>	-	-	<i>0.881</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.000</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	<b>7.845</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>0.000</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207227F, 0604706F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	74.247	105.776	60.473	-	60.473	106.236	94.711	98.131	99.151	-	638.725
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	74.247	105.776	60.473	-	60.473	106.236	94.711	98.131	99.151	-	638.725
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>74.247</b>	<b>105.776</b>	<b>60.473</b>	-	<b>60.473</b>	<b>106.236</b>	<b>94.711</b>	<b>98.131</b>	<b>99.151</b>	-	<b>638.725</b>

*(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:**

Description:  
This program provides a wide variety of base support and safety of flight items for warfighters with worldwide application that enhance warfighter performance, protection, and survivability.

Guardian Angel is a family of systems (FoS) formulated to execute Air Force Combat Search and Rescue and Personnel Recovery operations. GA FoS is employed by three distinct Air Force Specialties: Pararescue men (PJ), Survival, Evasion, Resistance, and Escape (SERE) and Combat Rescue Officer (CRO). GA equipment is comprised of nine critical mission areas: Precision Aerial Insertion, Information Management, Maritime Rescue, Ground Mobility, Technical Recovery, Medical, Visual Augmentation (Night Vision/ Augmented Reality), and SERE. To stay aligned with SECAF Operational Imperatives, with OSD Focus Areas (C2 & Logistics mobility (Land/Water) funds will be used to obtain significant improvements in operational capability. Representative items include but are not limited to cargo & personnel parachute equipment, technical recovery equipment (items to perform rescue/recovery of personnel or sensitive items), information management systems (communication), night vision and enhancement accessories, ground transportation, extended maritime open ocean boat & smaller boats for littoral, and training simulators (cognitive medical training, emergency parachute procedures, etc.) to supplement, augment, and optimize current training events, independent of aircraft availability. Procurement is required to meet mission needs through initial procurement or technical refresh for the next generation assets for GA dismounted operators. 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. This funding request will also support potential Diminishing Manufacturer Source (DMS) and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity. Due to rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current slated and emerging requirements. Funding for GA FoS is in Program Element 0207227F.

Special Tactics/Combat Control Special Warfare:  
SPECIAL WARFARE ACQUISITION GROWTH AND REFRESH (SWAGR). The SWAGR program funds Air Force standardized equipment within the overarching Special Warfare Modernization program for Special Tactics combat controllers, pararescue personnel, combat weather operators, and tactical air control parties to perform their Air Force Special Operations Command Mission. Representative items include but are not limited to training and simulators, assault zone, airfield marking tools, approach landing capability, weather data collection and analysis, personnel and technical recovery equipment, medical equipment, guardian angel enhanced night vision system, unmanned capabilities, aerial insertion, ground transportation and vehicular support equipment, and maritime rescue equipment. 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 to manage, execute, and deliver Special Tactics weapon system capability. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity. Due

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 2: Personal Safety & Rescue Equip		<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0207227F, 0604706F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>to the rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current slated and emerging requirements. Funding for this effort is in program element 0408011F</p> <p>Human Systems Program Office Items Less than 5M: This program saves Airmen's lives and improves aircrew performance through better aircrew flight equipment and airman combat systems. Procures safety and rescue equipment 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/ballistic protective gear, laser eye protection, personnel locator beacons, nuclear flash blindness devices, personnel parachutes, ejection seats/equipment, night vision goggles, survival radios, associated test sets, life rafts, life preservers, anti-exposure coveralls, aircrew flight ensembles, physiological monitoring devices, test sets &amp; Time Compliance Technical Order (TCTO) Kits and other air/ground crew equipment. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p> <p>Next-Gen Fixed Wing Helmet (NGFWH) serves to provide performance and sustainability upgrades to the current HGU-55P helmet that the fixed wing community across the USAF utilizes today, with the exception of F-35. Current helmets are outdated and not optimized to be used in parallel with current helmet mounted display systems, which provide the warfighter day and night-time vision and cueing capabilities. NGFWH primary goals are to provide a helmet upgrade that will provide a more stable, balanced helmet, while still being compatible with current equipment used on the legacy helmet. In addition, the NGFWH will also provide improved noise and impact protection, situational awareness, endurance, protection, all while decreasing the logistical footprint to maintain/sustain the helmet.</p> <p>Next Generation Ejection Seat (NGES) escape system safely accommodates greater variation in aircrew minimum/maximum weights, a minimum aircrew sitting height of 31 inches, and the use of Helmet Mounted Displays. It shall reduce the risk of injuries to the arms and legs (especially limb flail), neck, and spinal column throughout the entire ejection event.</p> <p>Ground and Aircrew Night Vision Goggles (NVG) and Binocular Night Vision Device (BNVD) with associated Test Sets and Kits. The type of NVGs includes the monocular night vision device which is a handheld, head-mounted, helmet-mounted, or weapon-mounted night vision system that enables walking, weapon firing, short-range surveillance, map reading, vehicle maintenance, and first-aid administration during moonlight and starlight conditions. The different types of NVGs support a vast spectrum of ground and air operations to include aircraft maintenance, civil engineering, emergency response, security, and other missions. NVGs and BNVDs Test Set &amp; TCTO Kits includes portable instruments allowing a quick and accurate evaluation and adjustment of all goggle parameters.</p> <p>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.</p> <p>Funding for this exhibit contained in PEs 0207227F, 0207433F, 0408011F, 0503113F and 0702833F.</p> <p>Projected allocations for component requirements are subject to total force demands and priorities. Funds may be used to address associated program management activities, emerging requirements, and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Personal Safety and Rescue Equipment

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207227F, 0604706F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Guardian Angel	P-5a, P-21	A		- / -	- / 22.832	- / 27.536	- / 24.484	- / -	- / 24.484
P-5	Special Tactics/Combat Control Equipment	P-5a, P-21	A		- / -	- / 21.422	- / 12.496	- / 2.469	- / -	- / 2.469
P-5	Items Less Than \$5 Million	P-5a, P-21	A		- / -	- / 29.993	- / 65.744	- / 33.520	- / -	- / 33.520
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 74.247	- / 105.776	- / 60.473	- / -	- / 60.473

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 Guardian Angel funding procures these types of equipment: Technical and Personnel Rescue/Recovery including Maritime, Command & Control, Aerial Insertion, Vehicular, Locator of Personnel, SONAR, Mission Planning, Information Management Systems and Mobile Intercom System.

FY24 Special Tactics/Combat Control Equipment reduced for re-phase of Next Gen Ejection Seat to FY 24-25. Funding procures these types of equipment: Aerial Insertion, Maritime Rescue, Technical and Personal Rescue/Recovery, Vehicular and Visual Augmentation.

FY24 Items Less Than 5 million increased in order to procure Integrated Aircrew Ensemble F-22 spares and spare parts. Funding procures these types of equipment: Aircrew Laser Eye Protection Equipment, Night Vision Goggles, Aircrew Flight Equipment Testers, and Integrated Aircrew Ensemble.

Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2				<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment			<b>Item Number / Title [DODIC]:</b> Guardian Angel		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	22.832	27.536	24.484	-	24.484
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	22.832	27.536	24.484	-	24.484
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>22.832</b>	<b>27.536</b>	<b>24.484</b>	-	<b>24.484</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Guardian Angel Cost																		
Recurring Cost																		
Aerial Insertion Equipment <sup>(f)</sup>	-	-	-	0.015	787	11.805	0.015	950	14.250	0.015	856	12.841	-	-	-	0.015	856	12.841
Technical Recovery Equipment <sup>(f)</sup>	-	-	-	0.079	25	1.975	0.079	42	3.318	0.079	25	1.975	-	-	-	0.079	25	1.975
Medical Equipment <sup>(f)</sup>	-	-	-	0.020	1	0.020	0.020	1	0.020	0.020	1	0.020	-	-	-	0.020	1	0.020
Maritime Rescue Equipment <sup>(f)</sup>	-	-	-	0.026	1	0.026	0.026	1	0.026	0.026	1	0.026	-	-	-	0.026	1	0.026
Information Management Equipment <sup>(f)</sup>	-	-	-	0.002	790	1.580	0.002	848	1.696	0.002	902	1.804	-	-	-	0.002	902	1.804
SERE <sup>(f)</sup>	-	-	-	0.020	1	0.020	0.020	1	0.020	0.020	1	0.020	-	-	-	0.020	1	0.020
Guardian Angel Enhanced Night Vision Systems <sup>(f)</sup>	-	-	-	0.018	265	4.770	0.018	309	5.566	0.018	285	5.130	-	-	-	0.018	285	5.130
PMA Contractor Services	-	-	-	2.636	1	2.636	2.640	1	2.640	2.668	1	2.668	-	-	-	2.668	1	2.668
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	22.832	-	-	27.536	-	-	24.484	-	-	-	-	-	24.484
<i>Subtotal: Hardware - Guardian Angel Cost</i>	-	-	-	-	-	22.832	-	-	27.536	-	-	24.484	-	-	-	-	-	24.484
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>22.832</b>	-	-	<b>27.536</b>	-	-	<b>24.484</b>	-	-	-	-	-	<b>24.484</b>



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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Guardian Angel
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:					Item Number / Title [DODIC]:				
3080F / 04 / 2			842990 / Personal Safety and Rescue Equipment					Guardian Angel				
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
Aerial Insertion Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	787	0.015	Y		Dec 2021
Aerial Insertion Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	950	0.015	Y		Dec 2022
Aerial Insertion Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	856	0.015	Y		Dec 2023
Technical Recovery Equipment <sup>(†)</sup>		2022	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	25	0.079	Y		Dec 2021
Technical Recovery Equipment <sup>(†)</sup>		2023	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	42	0.079	Y		Dec 2022
Technical Recovery Equipment <sup>(†)</sup>		2024	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	25	0.079	Y		Dec 2023
Medical Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2022	Feb 2023	1	0.020	Y		Jan 2022
Medical Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2023	Feb 2024	1	0.020	Y		Jan 2023
Medical Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2024	Feb 2025	1	0.020	Y		Jan 2024
Maritime Rescue Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2022	Oct 2022	1	0.026	Y		Dec 2021
Maritime Rescue Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2023	Oct 2023	1	0.026	Y		Dec 2022
Maritime Rescue Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2024	Oct 2024	1	0.026	Y		Dec 2023
Information Management Equipment <sup>(†)</sup>		2022	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	790	0.002	Y		Nov 2021
Information Management Equipment <sup>(†)</sup>		2023	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	848	0.002	Y		Nov 2022
Information Management Equipment <sup>(†)</sup>		2024	Black Diamond, LLC / AZ	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	902	0.002	Y		Nov 2023
SERE <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2022	Feb 2023	1	0.020	Y		Jan 2022
SERE <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2023	Feb 2024	1	0.020	Y		Jan 2023
SERE <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Mar 2024	Feb 2025	1	0.020	Y		Jan 2024
Guardian Angel Enhanced Night Vision Systems <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2022	Mar 2023	265	0.018	Y		Jan 2022

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Guardian Angel
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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
Guardian Angel Enhanced Night Vision Systems <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2023	Mar 2024	309	0.018	Y		Jan 2023
Guardian Angel Enhanced Night Vision Systems <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2024	Mar 2025	285	0.018	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Air Force																									Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 04 / 2							P-1 Line Item Number / Title: 842990 / Personal Safety and Rescue Equipment										Item Number / Title [DODIC]: Guardian Angel															
Cost Elements (Units in Each)						Fiscal Year 2022										Fiscal Year 2023										B A L A N C E						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023															
							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	
Aerial Insertion Equipment																																
1		2022	AF	787	0	787					A -	-	-	-	-	-	-	70	60	65	65	65	60	65	65	65	65	60	65	17	0	
1		2023	AF	950	0	950																A -	-	-	-	-	-	-	-	75	875	
1		2024	AF	856	0	856																									856	
Technical Recovery Equipment																																
2		2022	AF	25	0	25					A -	-	-	-	-	-	-	2	3	2	2	2	2	2	2	2	4				0	
2		2023	AF	42	0	42																A -	-	-	-	-	-	-	-	3	39	
2		2024	AF	25	0	25																									25	
Medical Equipment																																
3		2022	AF	1	0	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
3		2023	AF	1	0	1																	A -	-	-	-	-	-	-	-	1	
3		2024	AF	1	0	1																									1	
Maritime Rescue Equipment																																
4		2022	AF	1	0	1					A -	-	-	-	-	-	-	-	1												0	
4		2023	AF	1	0	1																	A -	-	-	-	-	-	-	-	1	
4		2024	AF	1	0	1																									1	
Information Management Equipment																																
5		2022	AF	790	0	790					A -	-	-	-	-	-	-	65	75	65	75	60	65	65	90	60	70	50	50		0	
5		2023	AF	848	0	848																A -	-	-	-	-	-	-	-	70	778	
5		2024	AF	902	0	902																									902	
SERE																																
6		2022	AF	1	0	1					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	
6		2023	AF	1	0	1																	A -	-	-	-	-	-	-	-	1	
6		2024	AF	1	0	1																									1	
Guardian Angel Enhanced Night Vision Systems																																
7		2022	AF	265	0	265					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	50	50	50	45	15	0
7		2023	AF	309	0	309																				A -	-	-	-	-	309	
7		2024	AF	285	0	285																									285	
							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		

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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 04 / 2 **P-1 Line Item Number / Title:** 842990 / Personal Safety and Rescue Equipment **Item Number / Title [DODIC]:** Guardian Angel

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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>Aerial Insertion Equipment</b>																																	
	1	2022	AF	787	787	0																							0				
	1	2023	AF	950	75	875	65	70	70	70	65	70	70	70	70	65	70	24											96				
	1	2024	AF	856	0	856				A -	-	-	-	-	-	-	-	80	70	68	75	80	65	80	75	65	80	80	38	0			
<b>Technical Recovery Equipment</b>																																	
	2	2022	AF	25	25	0																							0				
	2	2023	AF	42	3	39	2	3	2	2	2	2	2	2	2	3													17				
	2	2024	AF	25	0	25				A -	-	-	-	-	-	-	-	3	2	3	3	3	3	2	2	3	2	2	0				
<b>Medical Equipment</b>																																	
	3	2022	AF	1	1	0																							0				
	3	2023	AF	1	0	1	-	-	-	-	1																		0				
	3	2024	AF	1	0	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0				
<b>Maritime Rescue Equipment</b>																																	
	4	2022	AF	1	1	0																							0				
	4	2023	AF	1	0	1	1																						0				
	4	2024	AF	1	0	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0				
<b>Information Management Equipment</b>																																	
	5	2022	AF	790	790	0																							0				
	5	2023	AF	848	70	778	75	65	70	75	70	75	80	70	70	65	63												0				
	5	2024	AF	902	0	902						A -	-	-	-	-	-	-	65	81	75	80	80	75	80	65	70	65	80	80	6		
<b>SERE</b>																																	
	6	2022	AF	1	1	0																							0				
	6	2023	AF	1	0	1	-	-	-	-	1																		0				
	6	2024	AF	1	0	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0				
<b>Guardian Angel Enhanced Night Vision Systems</b>																																	
	7	2022	AF	265	265	0																							0				
	7	2023	AF	309	0	309	-	-	-	-	-	50	50	50	50	50	59												0				
	7	2024	AF	285	0	285							A -	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	25	25	25	185
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Guardian Angel
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							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
Aerial Insertion Equipment																															
	1	2022	AF	787	787	0																							0		
	1	2023	AF	950	854	96																							96		
	1	2024	AF	856	856	0																							0		
Technical Recovery Equipment																															
	2	2022	AF	25	25	0																							0		
	2	2023	AF	42	25	17																							17		
	2	2024	AF	25	25	0																							0		
Medical Equipment																															
	3	2022	AF	1	1	0																							0		
	3	2023	AF	1	1	0																							0		
	3	2024	AF	1	1	0																							0		
Maritime Rescue Equipment																															
	4	2022	AF	1	1	0																							0		
	4	2023	AF	1	1	0																							0		
	4	2024	AF	1	1	0																							0		
Information Management Equipment																															
	5	2022	AF	790	790	0																							0		
	5	2023	AF	848	848	0																							0		
	5	2024	AF	902	896	6																							6		
SERE																															
	6	2022	AF	1	1	0																							0		
	6	2023	AF	1	1	0																							0		
	6	2024	AF	1	1	0																							0		
Guardian Angel Enhanced Night Vision Systems																															
	7	2022	AF	265	265	0																							0		
	7	2023	AF	309	309	0																							0		
	7	2024	AF	285	100	185	45	45	45	50																			0		
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Guardian Angel
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Multiple - Multiple	1	1	1,000	1	4	8	12	0	0	0	0
2	Tribalco LLC - MD	1	1	25	1	4	8	12	0	0	0	0
3	Multiple - Multiple	1	1	100	1	6	11	17	0	0	0	0
4	Multiple - Multiple	1	1	50	1	5	8	13	0	0	0	0
5	Black Diamond, LLC - AZ	1	1	1,000	1	4	8	12	0	0	0	0
6	Multiple - Multiple	1	1	20	1	6	11	17	0	0	0	0
7	Multiple - Multiple	1	1	500	1	7	11	18	0	0	0	0

"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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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2		<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment
		<b>Item Number / Title [DODIC]:</b> Special Tactics/Combat Control Equipment

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	21.422	12.496	2.469	-	2.469
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	21.422	12.496	2.469	-	2.469
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>21.422</b>	<b>12.496</b>	<b>2.469</b>	-	<b>2.469</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Special Tactics/Combat Control Equipment Cost																		
Recurring Cost																		
Aerial Insertion Equipment <sup>(†)</sup>	-	-	-	0.015	608	9.098	0.015	79	1.184	0.015	19	0.285	-	-	-	0.015	19	0.285
Maritime Rescue Equipment <sup>(†)</sup>	-	-	-	0.026	237	6.162	0.026	8	0.208	0.026	21	0.546	-	-	-	0.026	21	0.546
Technical Recovery Equipment <sup>(†)</sup>	-	-	-	0.079	70	5.553	0.079	10	0.790	0.079	8	0.632	-	-	-	0.079	8	0.632
Vehicular Equipment <sup>(†)</sup>	-	-	-	0.296	2	0.591	0.296	1	0.296	0.296	2	0.592	-	-	-	0.296	2	0.592
Visual Augmentation Capabilities <sup>(†)</sup>	-	-	-	0.018	1	0.018	0.018	1	0.018	0.018	23	0.414	-	-	-	0.018	23	0.414
Congressional Add: Chemical Detectors	-	-	-	-	-	-	-	-	10.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	21.422	-	-	12.496	-	-	2.469	-	-	-	-	-	2.469
<i>Subtotal: Hardware - Special Tactics/Combat Control Equipment Cost</i>	-	-	-	-	-	21.422	-	-	12.496	-	-	2.469	-	-	-	-	-	2.469
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	21.422	-	-	12.496	-	-	2.469	-	-	-	-	-	2.469

<sup>(†)</sup> indicates the presence of a P-5a



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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics/Combat Control Equipment
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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
Aerial Insertion Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	608	0.015	Y		Dec 2021
Aerial Insertion Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	79	0.015	Y		Dec 2022
Aerial Insertion Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	19	0.015	Y		Dec 2023
Maritime Rescue Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2022	Oct 2022	237	0.026	Y		Dec 2021
Maritime Rescue Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2023	Oct 2023	8	0.026	Y		Dec 2022
Maritime Rescue Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Feb 2024	Oct 2024	21	0.026	Y		Dec 2023
Technical Recovery Equipment <sup>(†)</sup>		2022	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2022	Sep 2022	70	0.079	Y		Dec 2021
Technical Recovery Equipment <sup>(†)</sup>		2023	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2023	Sep 2023	10	0.079	Y		Dec 2022
Technical Recovery Equipment <sup>(†)</sup>		2024	Tribalco LLC / MD	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2024	Sep 2024	8	0.079	Y		Dec 2023
Vehicular Equipment <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2022	Dec 2022	2	0.296	Y		Nov 2021
Vehicular Equipment <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2023	Dec 2023	1	0.296	Y		Nov 2022
Vehicular Equipment <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Jan 2024	Dec 2024	2	0.296	Y		Nov 2023
Visual Augmentation Capabilities <sup>(†)</sup>		2022	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2022	Mar 2023	1	0.018	Y		Jan 2022
Visual Augmentation Capabilities <sup>(†)</sup>		2023	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2023	Mar 2024	1	0.018	Y		Jan 2023
Visual Augmentation Capabilities <sup>(†)</sup>		2024	Multiple / Multiple	Various	AFLCMC Wright Patterson AFB	Apr 2024	Mar 2025	23	0.018	Y		Jan 2024

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2										<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment										<b>Item Number / Title [DODIC]:</b> Special Tactics/Combat Control Equipment									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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>Aerial Insertion Equipment</b>																																			
1	2022	AF		608	0	608					A -	-	-	-	-	-	-	-	50	45	50	45	60	40	50	50	50	50	60	58		0			
1	2023	AF		79	0	79																	A -	-	-	-	-	-	-	-	-	8	71		
1	2024	AF		19	0	19																										19			
<b>Maritime Rescue Equipment</b>																																			
2	2022	AF		237	0	237					A -	-	-	-	-	-	-	-	20	20	20	20	20	25	15	20	25	20	15	20	17	0			
2	2023	AF		8	0	8																	A -	-	-	-	-	-	-	-	-	8	8		
2	2024	AF		21	0	21																										21			
<b>Technical Recovery Equipment</b>																																			
3	2022	AF		70	0	70					A -	-	-	-	-	-	-	-	6	8	8	7	6	5	6	8	7	4	5		0				
3	2023	AF		10	0	10																	A -	-	-	-	-	-	-	-	-	2	8		
3	2024	AF		8	0	8																										8			
<b>Vehicular Equipment</b>																																			
4	2022	AF		2	0	2					A -	-	-	-	-	-	-	-	-	-	-	2									0				
4	2023	AF		1	0	1																	A -	-	-	-	-	-	-	-	-	1			
4	2024	AF		2	0	2																										2			
<b>Visual Augmentation Capabilities</b>																																			
5	2022	AF		1	0	1					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1						0				
5	2023	AF		1	0	1																					A -	-	-	-	-	-	1		
5	2024	AF		23	0	23																										23			
											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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force															<b>Date:</b> March 2023														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2										<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment										<b>Item Number / Title [DODIC]:</b> Special Tactics/Combat Control Equipment									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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>Aerial Insertion Equipment</b>																															
	1	2022	AF	608	608	0																							0		
	1	2023	AF	79	8	71	8	9	6	8	7	9	7	8	6	3													0		
	1	2024	AF	19	0	19				A -	-	-	-	-	-	-	-	8	8	3								0			
<b>Maritime Rescue Equipment</b>																															
	2	2022	AF	237	237	0																							0		
	2	2023	AF	8	0	8	2	2	2	2																			0		
	2	2024	AF	21	0	21					A -	-	-	-	-	-	-	2	2	2	2							13			
<b>Technical Recovery Equipment</b>																															
	3	2022	AF	70	70	0																							0		
	3	2023	AF	10	2	8	2	2	2	2																			0		
	3	2024	AF	8	0	8					A -	-	-	-	-	-	-	2	2	2	2							0			
<b>Vehicular Equipment</b>																															
	4	2022	AF	2	2	0																							0		
	4	2023	AF	1	0	1	-	-	1																				0		
	4	2024	AF	2	0	2					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1			
<b>Visual Augmentation Capabilities</b>																															
	5	2022	AF	1	1	0																							0		
	5	2023	AF	1	0	1	-	-	-	-	-	1																	0		
	5	2024	AF	23	0	23							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1	22			
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Special Tactics/Combat Control Equipment

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Multiple - Multiple	1	1	200	1	4	8	12	0	0	0	0
2	Multiple - Multiple	1	1	50	1	5	8	13	0	0	0	0
3	Tribalco LLC - MD	1	1	200	1	4	8	12	0	0	0	0
4	Multiple - Multiple	1	1	40	1	4	11	15	0	0	0	0
5	Multiple - Multiple	1	1	100	1	7	11	18	0	0	0	0

"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 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Items Less Than \$5 Million
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	29.993	65.744	33.520	-	33.520
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	29.993	65.744	33.520	-	33.520
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>29.993</b>	<b>65.744</b>	<b>33.520</b>	-	<b>33.520</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Ancillary Equipment - Items Less Than \$5 Million Cost</b>																		
Recurring Cost																		
Night Vision Goggles Enduring Capability <sup>(†)</sup>	-	-	-	0.003	1,497	4.492	-	-	-	-	-	-	-	-	-	-	-	-
Night Vision Goggles <sup>(†)</sup>	-	-	-	0.010	560	5.600	0.009	4,643	41.794	0.009	1,189	10.701	-	-	-	0.009	1,189	10.701
Aircrew Laser Eye Protection <sup>(†)</sup>	-	-	-	0.001	2,779	2.779	0.001	6,900	6.900	0.001	4,000	4.000	-	-	-	0.001	4,000	4.000
Aircrew Flight Equipment <sup>(†)</sup>	-	-	-	0.090	87	7.868	0.037	410	15.173	0.002	8,423	16.845	-	-	-	0.002	8,423	16.845
Next Generation Ejection Seat <sup>(†)</sup>	-	-	-	0.015	470	6.843	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	27.582	-	-	63.867	-	-	31.546	-	-	-	-	-	31.546
<i>Subtotal: Ancillary Equipment - Items Less Than \$5 Million Cost</i>	-	-	-	-	-	<b>27.582</b>	-	-	<b>63.867</b>	-	-	<b>31.546</b>	-	-	-	-	-	<b>31.546</b>
<b>Support - Items Less Than \$5 Million Cost</b>																		
Mission Support Personnel and Travel	-	-	-	-	-	2.411	-	-	1.877	-	-	1.974	-	-	-	-	-	1.974
<i>Subtotal: Support - Items Less Than \$5 Million Cost</i>	-	-	-	-	-	<b>2.411</b>	-	-	<b>1.877</b>	-	-	<b>1.974</b>	-	-	-	-	-	<b>1.974</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>29.993</b>	-	-	<b>65.744</b>	-	-	<b>33.520</b>	-	-	-	-	-	<b>33.520</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Items Less Than \$5 Million
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<b>Remarks:</b> Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.  (t) indicates the presence of a P-5a		

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Items Less Than \$5 Million
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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
Night Vision Goggles Enduring Capability		2022	L3 Harris / Virginia Beach, VA	MIPR	AFLCMC/WN - Agile Combat Systems	Mar 2022	May 2022	1,497	0.003	Y		
Night Vision Goggles <sup>(†)</sup>		2022	L3 Harris / Virginia Beach, VA	MIPR	AFLCMC/WN - Agile Combat Systems	May 2022	Jul 2022	560	0.010	Y		
Night Vision Goggles <sup>(†)</sup>		2023	L3 Harris / Virginia Beach, VA	MIPR	AFLCMC/WN - Agile Combat Systems	Mar 2023	May 2023	4,643	0.009	Y		
Night Vision Goggles <sup>(†)</sup>		2024	L3 Harris / Virginia Beach, VA	MIPR	AFLCMC/WN - Agile Combat Systems	Mar 2024	May 2024	1,189	0.009	Y		
Aircrew Laser Eye Protection		2022	Gentex / Carbondale, PA	C / IDIQ	AFLCMC/WN - Agile Combat Systems	Mar 2022	Jun 2022	2,779	0.001	Y		
Aircrew Laser Eye Protection		2023	Gentex / Carbondale, PA	C / IDIQ	AFLCMC/WN - Agile Combat Systems	Mar 2023	Mar 2023	6,900	0.001	Y		
Aircrew Laser Eye Protection		2024	Gentex / Carbondale, PA	C / IDIQ	AFLCMC/WN - Agile Combat Systems	Apr 2024	Jun 2024	4,000	0.001	Y		
Aircrew Flight Equipment		2022	Various / Various	C / IDIQ	AFLCMC/WN - Agile Combat Systems	May 2022	Jul 2022	87	0.090	Y		
Aircrew Flight Equipment		2023	Various / Various	C / IDDQ	AFLCMC/WN - Agile Combat Systems	Mar 2023	Apr 2023	410	0.037	Y		
Aircrew Flight Equipment		2024	Various / Various	C / IDIQ	AFLCMC/WN - Agile Combat Systems	Nov 2023	Jan 2024	8,423	0.002	Y		
Next Generation Ejection Seat		2022	Collins Aerospace / Colorado Springs, CO	SS / CPFF	AFLCMC/WN - Agile Combat Systems	Jul 2022	Sep 2022	470	0.015	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Items Less Than \$5 Million
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													B A L A N C E					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 2 1	BAL D U E A S O F 1 O C T	Calendar Year 2022													Calendar Year 2023																	
							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							
Night Vision Goggles																																					
	1	2022	AF	560	0	560														A	-	-	146														414
	1	2023	AF	4,643	0	4,643														A	-	-		450	450	450	450	450	450	450	450	450	2,393				
	1	2024	AF	1,189	0	1,189																											1,189				
							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							



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 04 / 2 **P-1 Line Item Number / Title:** 842990 / Personal Safety and Rescue Equipment **Item Number / Title [DODIC]:** Items Less Than \$5 Million

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												
							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
Night Vision Goggles																															
	1	2022	AF	560	146	414																							414		
	1	2023	AF	4,643	2,250	2,393	450	450	450	450	321																		272		
	1	2024	AF	1,189	0	1,189																							0		
							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	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 2	<b>P-1 Line Item Number / Title:</b> 842990 / Personal Safety and Rescue Equipment	<b>Item Number / Title [DODIC]:</b> Items Less Than \$5 Million
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	L3 Harris - Virginia Beach, VA	100	3,500	7,000	0	0	0	0	2	6	2	8

**Remarks:**  
 Aircrew Flight Equipment (AFE) contains varying quantities of Female Bladder Relief solutions as well as AFE testers, Next Generation Fixed Wing Helmet, IAE- The Spares and spare parts contract with TIAX is a resupply bridge for the F-22 Community, to ensure adequate Quantities of IAE flight gear are distributed to fill critical shortages. The resupply will enable the F-22 community to maintain service with the IAE until DLA can affect full sustainment. Aircrew Laser Eye Protection (ALEP) is composed of varying quantities of Day Spectacle and NVG Snap Shield devices.

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	10.504	12.199	9.235	-	9.235	13.434	13.756	14.249	14.552	-	87.929
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	10.504	12.199	9.235	-	9.235	13.434	13.756	14.249	14.552	-	87.929
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>10.504</b>	<b>12.199</b>	<b>9.235</b>	-	<b>9.235</b>	<b>13.434</b>	<b>13.756</b>	<b>14.249</b>	<b>14.552</b>	-	<b>87.929</b>

*(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:**

Description:  
Power Conditioning & Continuation Interfacing Equipment (PCCIE):

The PCCIE program Office procures, replaces and modernizes uninterruptible power supply (UPS) systems to meet Air Force requirements. The Uninterruptible Power Supply (UPS) systems protect sensitive electronic equipment/systems such as command and control centers, intelligence missions, radars, etc. Many of these systems have exceeded the life expectancy of 12-15 years. PCCIE program is structured into small projects (from 3 - 125 kilovolt amps (kva)) and large projects (greater than 125 kva) and includes associated ancillary 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.

Program elements associated with this are: 27510F, 52834F, and 52844F.

Funding for this exhibit contained in PE 0207510F

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.500	11.179	8.139	-	8.139	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.891	0.905	0.972	-	0.972	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.113	0.115	0.124	-	0.124	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT
---	---

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

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Secondary Distribution	Total Obligation Authority	10.504	12.199	9.235	-	9.235	-	-	-	-

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**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 843040 / POWER CONDITIONING EQUIPMENT

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	POWER CONDITIONING EQUIPMENT	P-5a, P-21	A		- / -	- / 10.504	- / 12.199	- / 9.235	- / -	- / 9.235
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 10.504</b>	<b>- / 12.199</b>	<b>- / 9.235</b>	<b>- / -</b>	<b>- / 9.235</b>

\*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 sum exactly due to rounding.

**Justification:**

Justification:  
To guarantee continuation of operations in the event of power surges or failures PCCIE is the last line of defense for critical intelligence, satellite, radar, airfield and computer systems.

PE 27510F - FY 24 funds procure:

The new systems collectively satisfy critical user requirements and will:

1. Reduce overall footprint and weight by 50-60%.
2. Reduce operating and sustainment costs by 30%-50%.
3. Reduce acquisition costs as it applies to installation since many newer systems consist of more internal pre-wiring.
4. Lower parts count dramatically improves reliability by reducing the potential points of failure within the system.
5. Produce greater energy savings and higher operating efficiency in all configurations, typically between 92% and 93.5%; with all types of loads.

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT	<b>Item Number / Title [DODIC]:</b> POWER CONDITIONING EQUIPMENT
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	10.504	12.199	9.235	-	9.235
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	10.504	12.199	9.235	-	9.235
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>10.504</b>	<b>12.199</b>	<b>9.235</b>	-	<b>9.235</b>

*(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Power Conditioning Equipment Cost																		
Recurring Cost																		
4E9B50 <sup>(†)</sup>	-	-	-	0.250	42	10.504	0.260	47	12.199	0.257	36	9.235	-	-	-	0.257	36	9.235
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	10.504	-	-	12.199	-	-	9.235	-	-	-	-	-	9.235
<i>Subtotal: Hardware - Power Conditioning Equipment Cost</i>	-	-	-	-	-	<b>10.504</b>	-	-	<b>12.199</b>	-	-	<b>9.235</b>	-	-	-	-	-	<b>9.235</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>10.504</b>	-	-	<b>12.199</b>	-	-	<b>9.235</b>	-	-	-	-	-	<b>9.235</b>

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	9.500	11.179	8.139	-	8.139
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.891	0.905	0.972	-	0.972
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.113	0.115	0.124	-	0.124
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>10.504</b>	<b>12.199</b>	<b>9.235</b>	-	<b>9.235</b>

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT	<b>Item Number / Title [DODIC]:</b> POWER CONDITIONING EQUIPMENT
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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
4E9B50 <sup>(t)</sup>		2022	ALLCOM GLOBAL SERVICES, INC. / 201 Stag Industrial BLVD LAKE SAINT LOUIS MO	C / IDIQ	AFLCMC Hill AFB	May 2022	May 2022	12	0.250	Y		
4E9B50 <sup>(t)</sup>		2022	Computer Sites, INC / 1225 S HURON ST DENVER CO	C / IDIQ	AFLCMC Hill AFB	May 2022	May 2022	10	0.250	Y		
4E9B50 <sup>(t)</sup>		2022	EATON CORPORATION / 8609 SIX FORKS RD RALEIGH NC	C / IDIQ	AFLCMC Hill AFB	May 2022	May 2022	10	0.250	Y		
4E9B50 <sup>(t)</sup>		2022	M. C. DEAN, INC. / 1765 GREENSBORO STATION PL STE 1400 TYSONS VA	C / IDIQ	AFLCMC Hill AFB	May 2022	May 2022	10	0.250	Y		
4E9B50 <sup>(t)</sup>		2023	Computer Sites, INC / 1225 S HURON ST DENVER CO	C / IDIQ	AFLCMC Hill AFB	May 2023	May 2023	10	0.260	Y		
4E9B50 <sup>(t)</sup>		2023	EATON CORPORATION / 8609 SIX FORKS RD RALEIGH NC	C / IDIQ	AFLCMC Hill AFB	May 2023	May 2023	20	0.260	Y		
4E9B50 <sup>(t)</sup>		2023	M. C. DEAN, INC. / 1765 GREENSBORO STATION PL STE 1400 TYSONS VA	C / IDIQ	AFLCMC Hill AFB	May 2023	May 2023	17	0.260	Y		
4E9B50 <sup>(t)</sup>		2024	ALLCOM GLOBAL SERVICES, INC. / 201 Stag Industrial BLVD LAKE SAINT LOUIS MO	C / IDIQ	AFLCMC Hill AFB	May 2024	May 2024	12	0.257	Y		
4E9B50 <sup>(t)</sup>		2024	Computer Sites, INC / 1225 S HURON ST DENVER CO	C / IDIQ	AFLCMC Hill AFB	May 2024	May 2024	8	0.257	Y		
4E9B50 <sup>(t)</sup>		2024	EATON CORPORATION / 8609 SIX FORKS RD RALEIGH NC	C / IDIQ	AFLCMC Hill AFB	May 2024	May 2024	8	0.257	Y		
4E9B50 <sup>(t)</sup>		2024	M. C. DEAN, INC. / 1765 GREENSBORO STATION PL STE 1400 TYSONS VA	C / IDIQ	AFLCMC Hill AFB	May 2024	May 2024	8	0.257	Y		

<sup>(t)</sup> indicates the presence of a P-21

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT	<b>Item Number / Title [DODIC]:</b> POWER CONDITIONING EQUIPMENT
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
4E9B50																																	
	1	2022	AF	12	0	12																									0		
	2	2022	AF	10	0	10																									0		
	3	2022	AF	10	0	10																									0		
	4	2022	AF	10	0	10																									0		
	2	2023	AF	10	0	10																							A10	0			
	3	2023	AF	20	0	20																							A20	0			
	4	2023	AF	17	0	17																							A17	0			
	1	2024	AF	12	0	12																								12			
	2	2024	AF	8	0	8																								8			
	3	2024	AF	8	0	8																								8			
	4	2024	AF	8	0	8																								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			



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 04 / 3 **P-1 Line Item Number / Title:** 843040 / POWER CONDITIONING EQUIPMENT **Item Number / Title [DODIC]:** POWER CONDITIONING EQUIPMENT

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
4E9B50																																			
	1	2022	AF	12	12	0																							0						
	2	2022	AF	10	10	0																							0						
	3	2022	AF	10	10	0																							0						
	4	2022	AF	10	10	0																							0						
	2	2023	AF	10	10	0																							0						
	3	2023	AF	20	20	0																							0						
	4	2023	AF	17	17	0																							0						
	1	2024	AF	12	0	12																							0						
	2	2024	AF	8	0	8																							0						
	3	2024	AF	8	0	8																							0						
	4	2024	AF	8	0	8																							0						
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843040 / POWER CONDITIONING EQUIPMENT	<b>Item Number / Title [DODIC]:</b> POWER CONDITIONING EQUIPMENT
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	ALLCOM GLOBAL SERVICES, INC. - 201 Stag Industrial BLVD LAKE SAINT LOUIS MO			40	0	0	0	0	0	1	8	0	8
2	Computer Sites, INC - 1225 S HURON ST DENVER CO				0	0	0	0	0	0	0	0	0
3	EATON CORPORATION - 8609 SIX FORKS RD RALEIGH NC				0	0	0	0	0	0	0	0	0
4	M. C. DEAN, INC. - 1765 GREENSBORO STATION PL STE 1400 TYSONS VA				0	0	0	0	0	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	8.594	9.326	15.662	-	15.662	18.576	19.007	19.718	20.136	-	111.019
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	8.594	9.326	15.662	-	15.662	18.576	19.007	19.718	20.136	-	111.019
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>8.594</b>	<b>9.326</b>	<b>15.662</b>	-	<b>15.662</b>	<b>18.576</b>	<b>19.007</b>	<b>19.718</b>	<b>20.136</b>	-	<b>111.019</b>

*(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 Materials Handling Equipment (MMHE) line provides funding for Mechanized Materials Handling Systems (MMHS) and Storage Aids Systems (SAS).

MMHS and SAS equipment provides bases worldwide with static and automated equipment to efficiently store, receive, and ship materiel. MMHS and SAS equipment involves the design and acquisition of mechanized and non-mechanized materials handling systems to modernize and enhance supply operations, base-level aircraft maintenance, air transportation missions, and other warehouse and storage processes.

Most MMHE is one of the following equipment types:

- Material Storage and Distribution Systems which are mechanized systems to receive, store, and ship material in a warehouse or aircraft hangar. Often these types of systems also include non-mechanized equipment listed under storage aids systems.
- Storage Aids Systems which consist of non-mechanized equipment including racks, shelving, modular cabinets, mezzanines and mobile aisle systems.
- Aerial Port Equipment for air transportation which includes heavy-duty freight handling 463L pallet conveyors, pallet buildup/breakdown lift stations, cargo storage racks, and overhead bridge cranes for air freight terminal systems; roller conveyors and overhead cranes for aerial delivery systems; and inbound and outbound baggage conveyors and passenger boarding bridges for air passenger terminals.
- External Aircraft Fuel Tank Storage Systems which are used to store and access external aircraft fuel tanks.

Adequately equipped facilities are essential to the storage and handling of weapon system components, mobility gear, supply items, and for rapid processing of personnel, freight, and baggage. Proper MMHE reduces pipeline time, reduces damage to weapon system components during handling and storage, and enhances personnel safety. MMHE provides enhanced Air Force capability to respond to crises and threats whenever they occur in the world.

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 0207510F, 0207597F, 0502834F, and 0502844F.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 3: Depot Plant+Mtrls Handling Eq					<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A										

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.294	7.580	14.612	-	14.612	-	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.246	1.050	-	1.050	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.300	0.500	-	-	-	-	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>8.594</b>	<b>9.326</b>	<b>15.662</b>	-	<b>15.662</b>	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Mechanized Material Handling Equip	P-5a, P-21	A		- / -	- / 8.594	- / 9.326	- / 15.662	- / -	- / 15.662
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 8.594</b>	<b>- / 9.326</b>	<b>- / 15.662</b>	<b>- / -</b>	<b>- / 15.662</b>

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 procurement funds for MMHS/SAS equipment increases the productivity of Air Force operations, enhances management control of assets, reduces multiple handling of logistics materiel by consolidating assets, enhances safety, reduces losses due to damage of materiel during storage and transport, and reduces congestion and delays in the receiving, storage and issue operations in supply, base-level aircraft maintenance, air transportation, and other warehouse and storage facilities. Aerial port MMHE is vital to maintain and enhance rapid deployment and sustainment capabilities.  
  
 FY24 MMHE is to be purchased in the following quantities: 5 material storage and distribution systems, 8 storage aid systems, and 8 aerial port equipment systems.  
  
 Program Management Administration funds for other Government costs are included.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3			<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip			<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	8.594	9.326	15.662	-	15.662
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	8.594	9.326	15.662	-	15.662
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>8.594</b>	<b>9.326</b>	<b>15.662</b>	-	<b>15.662</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Mechanized Material Handling Equip Cost</b>																		
Non Recurring Cost																		
MATERIAL STORAGE AND DISTRIBUTION SYSTEMS <sup>(†)</sup>	-	-	-	-	-	-	0.392	3	1.175	0.792	5	3.962	-	-	-	0.792	5	3.962
STORAGE AIDS SYSTEMS <sup>(†)</sup>	-	-	-	0.250	1	0.250	0.236	7	1.651	0.431	8	3.450	-	-	-	0.431	8	3.450
AERIAL PORT EQUIPMENT <sup>(†)</sup>	-	-	-	4.097	2	8.194	1.200	4	4.800	0.994	8	7.950	-	-	-	0.994	8	7.950
EXTERNAL AIRCRAFT FUEL TANK STORAGE SYSTEMS <sup>(†)</sup>	-	-	-	-	-	-	1.550	1	1.550	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	8.444	-	-	9.176	-	-	15.362	-	-	-	-	-	15.362
<i>Subtotal: Hardware - Mechanized Material Handling Equip Cost</i>	-	-	-	-	-	8.444	-	-	9.176	-	-	15.362	-	-	-	-	-	15.362
<b>Support - Mechanized Material Handling Equip Cost</b>																		
PMA Other Government Costs	-	-	-	-	-	0.150	-	-	0.150	-	-	0.300	-	-	-	-	-	0.300
<i>Subtotal: Support - Mechanized Material Handling Equip Cost</i>	-	-	-	-	-	0.150	-	-	0.150	-	-	0.300	-	-	-	-	-	0.300
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	8.594	-	-	9.326	-	-	15.662	-	-	-	-	-	15.662

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip	<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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**Remarks:**  
There is no standard system design. Each system of a given type of equipment is uniquely designed for a specific building or base and no two are alike. Unit cost is the average cost of all equipment of that type being installed at all bases.

Note: Totals or subtotals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	8.294	7.580	14.612	-	14.612
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	1.246	1.050	-	1.050
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.300	0.500	-	-	-
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>8.594</b>	<b>9.326</b>	<b>15.662</b>	-	<b>15.662</b>

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip	<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip
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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
MATERIAL STORAGE AND DISTRIBUTION SYSTEMS <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	Aug 2023	May 2024	3	0.392	Y	Feb 2023	
MATERIAL STORAGE AND DISTRIBUTION SYSTEMS <sup>(†)</sup>		2024	TBD / TBD	TBD	TBD	Aug 2024	May 2025	5	0.792	Y		
STORAGE AIDS SYSTEMS <sup>(†)</sup>		2022	TBD / TBD	C / FFP	GSA	Aug 2022	May 2023	1	0.250	Y	May 2022	
STORAGE AIDS SYSTEMS <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	Aug 2023	May 2024	7	0.236	Y	Feb 2023	
STORAGE AIDS SYSTEMS <sup>(†)</sup>		2024	TBD / TBD	TBD	TBD	Aug 2024	May 2025	8	0.431	Y		
AERIAL PORT EQUIPMENT <sup>(†)</sup>		2022	Various / Various	Various	TBD	Aug 2022	Aug 2023	2	4.097	Y		
AERIAL PORT EQUIPMENT <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	Aug 2023	Aug 2024	4	1.200	Y	Feb 2023	
AERIAL PORT EQUIPMENT <sup>(†)</sup>		2024	TBD / TBD	TBD	TBD	Aug 2024	Aug 2025	8	0.994	Y		
EXTERNAL AIRCRAFT FUEL TANK STORAGE SYSTEMS <sup>(†)</sup>		2023	TBD / TBD	TBD	TBD	Aug 2023	Jul 2024	1	1.550	Y	Feb 2023	

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

There is no standard system design. Each system of a given type of equipment is uniquely designed for a specific building or base and no two are alike.

Generally each project at a separate base is put on a separate contract so the response is 'Various' when the quantity is more than 1.

Used TBD for Primary PCO since various was not available.

Used AFLCMC Wright Patterson AFB for location of PCO because various is not an allowed option and the majority of buys are through that contracting office.

Selected an average award date when the line refers to more than 1 project/contract.

Selected an average date of first delivery when the line refers to more than 1 project/contract.



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip	<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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>MATERIAL STORAGE AND DISTRIBUTION SYSTEMS</b>																															
	1	2023	AF	3	0	3																							A -	-	3
	1	2024	AF	5	0	5																									5
<b>STORAGE AIDS SYSTEMS</b>																															
	2	2022	AF	1	0	1																									0
	2	2023	AF	7	0	7																							A -	-	7
	2	2024	AF	8	0	8																									8
<b>AERIAL PORT EQUIPMENT</b>																															
	3	2022	AF	2	0	2																									0
	4	2023	AF	4	0	4																							A -	-	4
	4	2024	AF	8	0	8																									8
<b>EXTERNAL AIRCRAFT FUEL TANK STORAGE SYSTEMS</b>																															
	5	2023	AF	1	0	1																							A -	-	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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 04 / 3 **P-1 Line Item Number / Title:** 843050 / Mechanized Material Handling Equip **Item Number / Title [DODIC]:** Mechanized Material Handling Equip

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025																
							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>MATERIAL STORAGE AND DISTRIBUTION SYSTEMS</b>																																			
	1	2023	AF	3	0	3	-	-	-	-	-	-	-	-	1	1	1																0		
	1	2024	AF	5	0	5												A	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	0	
<b>STORAGE AIDS SYSTEMS</b>																																			
	2	2022	AF	1	1	0																											0		
	2	2023	AF	7	0	7	-	-	-	-	-	-	-	1	2	2	1	1																0	
	2	2024	AF	8	0	8												A	-	-	-	-	-	-	-	-	-	-	1	2	2	1	1	1	
<b>AERIAL PORT EQUIPMENT</b>																																			
	3	2022	AF	2	2	0																											0		
	4	2023	AF	4	0	4	-	-	-	-	-	-	-	-	-	-	1	1	1	1															0
	4	2024	AF	8	0	8												A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	5	
<b>EXTERNAL AIRCRAFT FUEL TANK STORAGE SYSTEMS</b>																																			
	5	2023	AF	1	0	1	-	-	-	-	-	-	-	-	-	-	1																		0
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip	<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026														Fiscal Year 2027														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							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					
MATERIAL STORAGE AND DISTRIBUTION SYSTEMS																																			
	1	2023	AF	3	3	0																												0	
	1	2024	AF	5	5	0																												0	
STORAGE AIDS SYSTEMS																																			
	2	2022	AF	1	1	0																												0	
	2	2023	AF	7	7	0																												0	
	2	2024	AF	8	7	1		1																										0	
AERIAL PORT EQUIPMENT																																			
	3	2022	AF	2	2	0																												0	
	4	2023	AF	4	4	0																												0	
	4	2024	AF	8	3	5		2		1		1		1																				0	
EXTERNAL AIRCRAFT FUEL TANK STORAGE SYSTEMS																																			
	5	2023	AF	1	1	0																												0	
								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					

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 3	<b>P-1 Line Item Number / Title:</b> 843050 / Mechanized Material Handling Equip	<b>Item Number / Title [DODIC]:</b> Mechanized Material Handling Equip
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	5	1	11	9	20	0	0	0	0
2	TBD - TBD	1	1	8	1	11	9	20	0	0	0	0
3	Various - Various				0	0	0	0	0	0	0	0
4	TBD - TBD	1	1	8	1	11	12	23	0	0	0	0
5	TBD - TBD	1	1	3	1	11	11	22	0	0	0	0

**Remarks:**  
MMHS and SAS are by definition commercial-off-the-shelf items and production rates do not apply.

Delivery schedules will vary by project/contract and do not apply to this type of equipment.

"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).

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	32.400	85.890	77.875	-	77.875	86.292	47.886	51.572	48.770	-	430.685
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	32.400	85.890	77.875	-	77.875	86.292	47.886	51.572	48.770	-	430.685
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>32.400</b>	<b>85.890</b>	<b>77.875</b>	-	<b>77.875</b>	<b>86.292</b>	<b>47.886</b>	<b>51.572</b>	<b>48.770</b>	-	<b>430.685</b>

*(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, advanced manufacturing 3-D printers and cold spray machines, RSM technologies to include automation and robotics equipment and CBM+ SBA Vampire/ADR Boxes.

Funding for this exhibit contained in PEs 0207142F, 0804741F, 0804701F, 0804731F, 0804752F, and 0708051F.

Base Support Equipment:

Organizations throughout the Air Force acquire authorized Support Equipment through Air Force central procurement. Examples of equipment in this P-1 line include equipment and/or specialized tools necessary for Aircraft Maintenance/Sustainment.

Funding for this exhibit contained in PE 0804741F

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.400	85.890	77.875	-	77.875	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.000	-	-	-	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
<b>Total:</b>	Quantity	-	-	-	-	-	-	-	-	-
<b>Secondary Distribution</b>	Total Obligation Authority	32.400	85.890	77.875	-	77.875	-	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Base Procured Equipment	P-5a, P-21	A		- / -	- / 32.400	- / 85.890	- / 77.875	- / -	- / 77.875
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 32.400</b>	<b>- / 85.890</b>	<b>- / 77.875</b>	<b>- / -</b>	<b>- / 77.875</b>

\*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 sum exactly due to rounding.

**Justification:**

This program is a new start.

PE 0708051F, FY24 funding procures Rapid Sustainment Modernization, Advanced Manufacturing 3-D printers and coldspray machines, Rapid Sustainment Technologies and Automation and Robotics to include but not limited to Robotic Radome Scaling, LADS III System, Robotic Sheet Forming Machine, Rapidly Deployable Hangars, E-drill Systems, Match drill systems, Robotic Taping System, F-16 Underbelly Paint System, Thermal Spray multipurpose booth, Teremetrix System Install, Advance 3D Printers, LCR Laser Upgrade and CBM+ SBA Vampire/ADR Boxes..

PE 0207142F, FY24 funding procures F-35 Base Procured Equipment.

PE 0804701F, FY24 funding procures Advanced Pilot Training System Equipment.

PE 0804731F, FY24 funding procures Base Procured Training Equipment for General Skills Training.

PE 0804752F, FY24 funding procures Professional Training Equipment.

PE 0804741F, FY24 funding procures Undergraduate Training Equipment.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5				<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment			<b>Item Number / Title [DODIC]:</b> Base Procured Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>			
<b>Resource Summary</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				-	32.400	85.890	77.875	-	77.875
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)				-	32.400	85.890	77.875	-	77.875
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>				-	<b>32.400</b>	<b>85.890</b>	<b>77.875</b>	-	<b>77.875</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Base Procured Equipment Cost</b>																		
<b>Recurring Cost</b>																		
Air Combat Command - MERWS <sup>(†)</sup>	-	-	-	1.500	2	3.000	-	-	-	-	-	-	-	-	-	-	-	-
Air Combat Command - Sunshades <sup>(†)</sup>	-	-	-	1.089	27	29.400	-	-	-	-	-	-	-	-	-	-	-	-
Rapid Sustainment Modernization-Advanced Manufacturing - 3D printers and Coldspray equipment <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	13.853	1	13.853	-	-	-	13.853	1	13.853
Rapid Sustainment Modernization-Technologies and Automation and Robotics <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	7.671	1	7.671	-	-	-	7.671	1	7.671
PE 0207142F F-35 Base Procured Equipment <sup>(†)</sup>	-	-	-	-	-	-	-	-	85.890	14.146	1	14.146	-	-	-	14.146	1	14.146
PE 0804701F Advanced Pilot Training System Equipment <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	11.444	1	11.444	-	-	-	11.444	1	11.444
PE 0804731F Base Procured Training	-	-	-	-	-	-	-	-	-	4.033	1	4.033	-	-	-	4.033	1	4.033



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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5							<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment						<b>Item Number / Title [DODIC]:</b> Base Procured Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Equipment for General Skills Training <sup>(†)</sup>																		
PE 0804752F Professional Training Equipment <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.868	1	1.868	-	-	-	1.868	1	1.868
PE 0804741F Undergraduate Training Equipment <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.575	1	0.575	-	-	-	0.575	1	0.575
Rapid Sustainment Modernization CBM + SBA Vampire/ADR Boxes. <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	6.071	4	24.285	-	-	-	6.071	4	24.285
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	32.400	-	-	85.890	-	-	77.875	-	-	-	-	-	77.875
<i>Subtotal: Hardware - Base Procured Equipment Cost</i>	-	-	-	-	-	32.400	-	-	85.890	-	-	77.875	-	-	-	-	-	77.875
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	32.400	-	-	85.890	-	-	77.875	-	-	-	-	-	77.875

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	7.400	85.890	77.875	-	77.875
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	25.000	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	32.400	85.890	77.875	-	77.875

<sup>(†)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment	<b>Item Number / Title [DODIC]:</b> Base Procured Equipment
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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
Air Combat Command - MERWS <sup>(†)</sup>		2022	General Dynamics / St Petersburg, FL	MIPR	ARMY/ACC	Jan 2022	Jul 2022	2	1.500	Y		Nov 2021
Air Combat Command - Sunshades <sup>(†)</sup>		2022	General Dynamics / St Petersburg FL	MIPR	ARMY/ACC	Jan 2022	Jul 2022	27	1.089	Y		Nov 2021
Rapid Sustainment Modernization-Advanced Manufacturing - 3D printers and Coldspray equipment <sup>(†)</sup>		2024	Various / Various	TBD	WPAFB, OH	Jan 2024	Mar 2024	1	13.853	Y		Oct 2023
Rapid Sustainment Modernization-Technologies and Automation and Robotics <sup>(†)</sup>		2024	Various / Various	TBD	WPAFB, OH	Jan 2024	Mar 2024	1	7.671	Y		Oct 2023
PE 0207142F F-35 Base Procured Equipment <sup>(†)</sup>		2024	Various / Various	TBD	TBD	Jan 2024	Sep 2024	1	14.146	Y		Nov 2023
PE 0804701F Advanced Pilot Training System Equipment <sup>(†)</sup>		2024	Various / Various	TBD	TBD	Jan 2024	Sep 2024	1	11.444	Y		Nov 2023
PE 0804731F Base Procured Training Equipment for General Skills Training <sup>(†)</sup>		2024	Various / Various	TBD	TBD	Jan 2024	Sep 2024	1	4.033	Y		Nov 2023
PE 0804752F Professional Training Equipment <sup>(†)</sup>		2024	Various / Various	TBD	TBD	Jan 2024	Sep 2024	1	1.868	Y		Nov 2023
PE 0804741F Undergraduate Training Equipment		2024	Various / Various	TBD	WPAFB, OH	Jan 2024	Sep 2024	1	0.575	Y		Nov 2023
Rapid Sustainment Modernization CBM+ SBA Vampire/ADR Boxes.		2024	Various / Various	TBD	AFLCMC Wright Patterson AFB	Jan 2024	Mar 2024	4	6.071	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

Sentinel (GBSD) FY24 funding is planned to be realigned to Air Force Physical Security System 834130 during FY24 PB adjustments.

T-7A funding was initially placed in base communication infrastructure 837300 during FY23 POM and is planned to be realigned in FY25 to base procured equipment 845010.

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment	<b>Item Number / Title [DODIC]:</b> Base Procured Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023													
						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		
Air Combat Command - MERWS																															
1	2022	AF	2	0	2				A	-	-	-	-	-	-	-	2														0
Air Combat Command - Sunshades																															
2	2022	AF	27	0	27				A	-	-	-	-	-	-	26														1	
Rapid Sustainment Modernization-Advanced Manufacturing - 3D printers and Coldspray equipment																															
3	2024	AF	1	0	1																									1	
Rapid Sustainment Modernization-Technologies and Automation and Robotics																															
4	2024	AF	1	0	1																									1	
PE 0207142F F-35 Base Procured Equipment																															
5	2024	AF	1	0	1																									1	
PE 0804701F Advanced Pilot Training System Equipment																															
6	2024	AF	1	0	1																									1	
PE 0804731F Base Procured Training Equipment for General Skills Training																															
7	2024	AF	1	0	1																									1	
PE 0804752F Professional Training Equipment																															
8	2024	AF	1	0	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		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment	<b>Item Number / Title [DODIC]:</b> Base Procured Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C C O #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
						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					
Air Combat Command - MERWS																																		
1	2022	AF	2	2	0																								0					
Air Combat Command - Sunshades																																		
2	2022	AF	27	26	1																								1					
Rapid Sustainment Modernization-Advanced Manufacturing - 3D printers and Coldspray equipment																																		
3	2024	AF	1	0	1				A	-	-	1																	0					
Rapid Sustainment Modernization-Technologies and Automation and Robotics																																		
4	2024	AF	1	0	1				A	-	-	1																	0					
PE 0207142F F-35 Base Procured Equipment																																		
5	2024	AF	1	0	1				A	-	-	-	-	-	-	-	-	-	-	1									0					
PE 0804701F Advanced Pilot Training System Equipment																																		
6	2024	AF	1	0	1				A	-	-	-	-	-	-	-	-	-	-	1									0					
PE 0804731F Base Procured Training Equipment for General Skills Training																																		
7	2024	AF	1	0	1				A	-	-	-	-	-	-	-	-	-	-	1									0					
PE 0804752F Professional Training Equipment																																		
8	2024	AF	1	0	1				A	-	-	-	-	-	-	-	-	-	-	1									0					
									O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		
									C	O	E	A	E	A	A	U	U	A	E	C	C	O	V	E	A	E	A	A	U	U	A	S		
									T	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	P	Y	N	L	G	P		

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845010 / Base Procured Equipment	<b>Item Number / Title [DODIC]:</b> Base Procured Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	General Dynamics - St Petersburg, FL				0	0	0	0	0	0	0	0	0
2	General Dynamics - St Petersburg FL				0	0	0	0	0	0	0	0	0
3	Various - Various			40	0	4	2	6	0	0	0	0	0
4	Various - Various			40	0	4	2	6	0	0	0	0	0
5	Various - Various			10	0	4	8	12	0	0	0	0	0
6	Various - Various	1	1	30	0	4	8	12	0	0	0	0	0
7	Various - Various			10	0	4	8	12	0	0	0	0	0
8	Various - Various			10	0	4	8	12	0	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	25.739	191.552	280.734	-	280.734	195.946	185.267	222.864	217.192	-	1,319.294
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	25.739	191.552	280.734	-	280.734	195.946	185.267	222.864	217.192	-	1,319.294
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>25.739</b>	<b>191.552</b>	<b>280.734</b>	-	<b>280.734</b>	<b>195.946</b>	<b>185.267</b>	<b>222.864</b>	<b>217.192</b>	-	<b>1,319.294</b>

*(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:**

This budget line funds the procurement of a multitude of Explosive Ordnance Disposal (EOD) and Engineering capabilities critical to the Air Force's ability to provide Integrated Base Response and Recovery (IBRR) and Air Base Resiliency in highly contested environments, both in-garrison and in support of contingency operations. IBRR is defined as the whole of installation effort to restore operational and support mission capabilities after a damaging wartime or peacetime event. Damaging wartime or peacetime events range from natural and man-made disasters to Chemical, Biological, Radiological, and Nuclear (CBRN), kinetic, and cyber attacks. Air Base Resiliency refers to the capability of operating locations to sustain the projection of combat power by protecting against, responding to, and reconstituting from deliberate, accidental, or naturally occurring events such as those previously listed.

Procurements include the EOD identify, mitigate, and defeat Family of Systems (FoS), Chemical, Biological, Radiological, and Nuclear (CBRN) detection and identification systems, hardening, a portion of the Rapid Airfield Damage Recovery (RADR) FoS, and tactical communications packages for the Air Force Civil Engineer enterprise.

EOD FoS includes systems and equipment needed for EOD personnel to operate in the full spectrum of the competition continuum by identifying, mitigating, and defeating explosive hazards from Unexploded Ordnance (UXO), Improvised Explosive Devices (IEDs), aerospace systems, conventional munitions, and Weapons of Mass Destruction (WMD).

CBRN detection and identification systems include the Radiological Detection System (RDS), and Radioisotope Identification Device (RIID). These systems provide the capability to measure, identify, geo-locate, and transmit data on radiological and nuclear materials. Additionally, this budget line includes the Dismounted Reconnaissance Set, Kits, and Outfits (DR SKO) that provides on-site identification and personal protection from chemical and biological contamination.

Hardening refers to the ability to protect critical assets from enemy attack. Within hardening, this budget line specifically funds the Expedient Small Asset Protection (ESAP) hardened shelter system. The ESAP system provides protection from specific munitions and is designed to house fighter aircraft and critical sortie generation equipment.

The RADR FoS consists of capabilities that contribute to three distinct phases of airfield recovery; Rapid Damage Assessment (RDA), Rapid Explosive Hazard Mitigation (REHM), and Rapid Damage Repair (RDR).

Within RDA, this budget line specifically funds the Rapid Airfield Damage Assessment System (RADAS), which consists of four Small Unmanned Aerial Systems (SuAS) equipped with Electro-optical (EO) and Long Wave Infrared (LWIR) sensors, switch and network cabling, and two mobile workstations.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Within REHM, this budget line specifically funds the Recovery of Airfield Denied By Ordnance (RADBO), which consists of the Mine Resistant Ambush Protected (MRAP) vehicle, the interrogation arm assembly and the Zeus IIA Directed Energy Weapon (DEW) system. The MRAP vehicles are not procured under this budget line.</p> <p>Within RDR, this budget line specifically funds Aluminum Mat-2 (AM-2) matting kits, Fiber Reinforced Polymer (FRP) matting kits, and Water and Fuels Expedient Repair System (WaFERS) kits. AM-2 matting kits may be used as a capping material for repairs or as an expedient expansion method on airfield aprons and low-speed taxiways. FRP matting kits may be used as a capping material for repairs may be used in a variety of airfield locations depending on aircraft type, and operations. WaFERS kits may be used as an expedient repair or recovery of mission essential water and fuel distribution systems and associated infrastructure.</p> <p>Tactical communication packages include a variety of systems, equipment, and accessories to provide Command, Control, and Communication (C3) for the Civil Engineer enterprise.</p> <p>Funding for this exhibit contained in PEs: 0204424F, 0208028F, 0207593F.</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Engineering and EOD Equipment	P-5a, P-21	A		- / -	- / 25.739	- / 191.552	- / 280.734	- / -	- / 280.734
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 25.739</b>	<b>- / 191.552</b>	<b>- / 280.734</b>	<b>- / -</b>	<b>- / 280.734</b>

\*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 sum exactly due to rounding.

**Justification:**

This budget line has significant increases due to the role of IBRR and Air Base Resiliency in operationalizing the Agile Combat Employment (ACE) concept in the Indo-Pacific. ACE is a proactive and reactive scheme of maneuver that shifts generation of airpower from large, fixed centralized bases, to networks of smaller dispersed bases. The capabilities provided within this budget line are part of the DAF's cost-effective mix of targeted investments designed to enable the distributed resilient basing needed to deter our adversaries and prevail in combat.

Updates have been made to the planned procurements, especially within EOD, to endeavor to align resources with the latest strategic guidance aimed to deter or be prepared to defeat the pacing threats before critical time horizons.

FY24 Funding of 1.800M in PEC 0204424F will procure EOD Unmanned Systems (Small) in the following quantities: 40 systems.

FY24 Funding of 1.000M in PEC 0204424F will procure EOD Remote Fire Systems in the following quantities: 1000 devices.

FY24 Funding of 14.550M in PEC 0208028F will procure RADBO Systems in the following quantities: 3 systems.

FY24 Funding of 3.000M in PEC 0208028F will procure RADAS in the following quantities: 5 systems.

FY24 Funding of 45.220M in PEC 0208028F will procure FRP kits in the following quantities: 68 kits.

FY24 Funding of 3.135M in PEC 0207593F will procure RDS and RIIDs in the following quantities: 285 detectors.

FY24 Funding of 12.341M in PEC 0208028F will procure Tactical Communication Packages in the following quantities: 287 packages.

FY24 Funding of 128.027M in PEC 0208028F will procure Expedient Small Asset Protection (ESAP) Shelters in the following quantities: 17 shelters.

FY24 Funding of 23.815M in PEC 0208028F will procure Water and Fuels Expedient Repair System (WaFERS) kits in the following quantities: 11 kits

FY24 Funding of 5.936M in PEC 0204424F will procure EOD Adaptive Basing Kits in the following quantities: 7 kits

FY24 Funding of 35.040M in PEC 0208028F will procure AM-2 Matting kits in the following quantities: 16 kits.

FY24 Funding of 3.870M in PEC 0204424F will procure Night Vision Devices in the following quantities: 430 devices.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
FY24 Funding of 3.000M in PEC 0204424F will procure EOD C4I systems in the following quantities: 375 systems.		
FY2024 budget request includes 9,683 thousand for Pacific Deterrence Initiative (PDI) (PE 0204424F) funding.		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5			<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment			<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	25.739	191.552	280.734	-	280.734
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	25.739	191.552	280.734	-	280.734
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>25.739</b>	<b>191.552</b>	<b>280.734</b>	-	<b>280.734</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Engineering and EOD Equipment Cost																		
Recurring Cost																		
EOD Unmanned Systems (Large) <sup>(†)</sup>	-	-	-	0.390	44	17.160	0.030	107	3.210	-	-	-	-	-	-	-	-	-
EOD Unmanned Systems (Small) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.045	40	1.800	-	-	-	0.045	40	1.800
EOD Remote Firing Systems <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.001	1,000	1.000	-	-	-	0.001	1,000	1.000
EOD Ordnance Locator Systems <sup>(†)</sup>	-	-	-	-	-	-	0.026	360	9.418	-	-	-	-	-	-	-	-	-
EOD Directed Energy Systems (RADBO) <sup>(†)</sup>	-	-	-	-	-	-	4.850	12	58.200	4.850	3	14.550	-	-	-	4.850	3	14.550
Rapid Airfield Damage Assessment System (RADAS) <sup>(†)</sup>	-	-	-	0.611	9	5.499	0.599	49	29.350	0.600	5	3.000	-	-	-	0.600	5	3.000
Fiber Reinforced Polymer (FRP) Kit <sup>(†)</sup>	-	-	-	-	-	-	0.671	10	6.710	0.665	68	45.220	-	-	-	0.665	68	45.220
CBRN Radiological Detection Family of Systems (FoS) <sup>(†)</sup>	-	-	-	0.011	280	3.080	0.011	420	4.620	0.011	285	3.135	-	-	-	0.011	285	3.135
Tactical Communication Packages <sup>(†)</sup>	-	-	-	-	-	-	0.043	640	27.680	0.043	287	12.341	-	-	-	0.043	287	12.341

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5							<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment						<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
Expedient Small Asset Protection (ESAP) Shelters <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	7.531	17	128.027	-	-	-	7.531	17	128.027
RADR Water and Fuels Expedient Repair System (WaFERS) Kit <sup>(†)</sup>	-	-	-	-	-	-	2.098	15	31.470	2.165	11	23.815	-	-	-	2.165	11	23.815
EOD Adaptive Basing Kit <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	0.848	7	5.936	-	-	-	0.848	7	5.936
RADR AM-2 Matting Kit <sup>(†)</sup>	-	-	-	-	-	-	2.190	7	15.330	2.190	16	35.040	-	-	-	2.190	16	35.040
Night Vision Devices <sup>(†)</sup>	-	-	-	-	-	-	0.009	196	1.764	0.009	430	3.870	-	-	-	0.009	430	3.870
EOD C4I Systems <sup>(†)</sup>	-	-	-	-	-	-	0.008	475	3.800	0.008	375	3.000	-	-	-	0.008	375	3.000
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	25.739	-	-	191.552	-	-	280.734	-	-	-	-	-	280.734
<i>Subtotal: Logistics - Engineering and EOD Equipment Cost</i>	-	-	-	-	-	25.739	-	-	191.552	-	-	280.734	-	-	-	-	-	280.734
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	25.739	-	-	191.552	-	-	280.734	-	-	-	-	-	280.734

<sup>(†)</sup> indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:					Item Number / Title [DODIC]:				
3080F / 04 / 5			845100 / Engineering and EOD Equipment					Engineering and EOD 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 (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
EOD Unmanned Systems (Large) <sup>(†)</sup>		2022	L3Harris / Melbourne, FL	PO	AFCEC	May 2022	Aug 2023	44	0.390	Y		
EOD Unmanned Systems (Large) <sup>(†)</sup>		2023	L3Harris / Melbourne, FL	PO	AFCEC	Mar 2023	Aug 2024	107	0.030	Y		
EOD Unmanned Systems (Small) <sup>(†)</sup>		2024	To Be Solicited / TBD	TBD	AFCEC	Jul 2024	Oct 2024	40	0.045	Y		
EOD Remote Firing Systems <sup>(†)</sup>		2024	To Be Solicited / TBD	TBD	AFCEC	Sep 2024	Jan 2025	1,000	0.001	Y		
EOD Ordnance Locator Systems <sup>(†)</sup>		2023	IHNSWC / Indian Head, MD	MIPR	AFCEC	Oct 2022	Mar 2024	360	0.026	Y		
EOD Directed Energy Systems (RADBO) <sup>(†)</sup>		2023	Parsons / Huntsville, AL	MIPR	AFLCMC/WN - Agile Combat Systems	Sep 2022	May 2023	12	4.850	Y		
EOD Directed Energy Systems (RADBO) <sup>(†)</sup>		2024	Parsons / Huntsville, AL	MIPR	AFLCMC/WN - Agile Combat Systems	Sep 2023	May 2024	3	4.850	Y		
Rapid Airfield Damage Assessment System (RADAS) <sup>(†)</sup>		2022	Dynamic Software Solutions / Niceville, FL	SS / FFP	AFCEC	Sep 2022	Nov 2022	9	0.611	Y		
Rapid Airfield Damage Assessment System (RADAS) <sup>(†)</sup>		2023	To Be Solicited / TBD	C / FFP	AFCEC	Aug 2023	Jan 2024	49	0.599	Y		
Rapid Airfield Damage Assessment System (RADAS) <sup>(†)</sup>		2024	To Be Solicited / TBD	C / FFP	AFCEC	Aug 2024	Jan 2025	5	0.600	Y		
Fiber Reinforced Polymer (FRP) Kit <sup>(†)</sup>		2023	AMS Industries, LLC. / Charlotte, NC	C / IDIQ	AFCEC	Jul 2023	Jun 2024	10	0.671	Y		
Fiber Reinforced Polymer (FRP) Kit <sup>(†)</sup>		2024	AMS Industries, LLC. / Charlotte, NC	C / IDIQ	AFCEC	Jun 2024	May 2025	68	0.665	Y		
CBRN Radiological Detection Family of Systems (FoS) <sup>(†)</sup>		2022	Visionary Products, Inc. / Draper, UT	MIPR	AFCEC	Sep 2022	Jan 2023	280	0.011	Y		
CBRN Radiological Detection Family of Systems (FoS) <sup>(†)</sup>		2023	Visionary Products, Inc. / Draper, UT	MIPR	AFCEC	Sep 2023	Jan 2024	420	0.011	Y		
CBRN Radiological Detection Family of Systems (FoS) <sup>(†)</sup>		2024	Visionary Products, Inc. / Draper, UT	MIPR	AFCEC	Sep 2024	Jan 2025	285	0.011	Y		
Tactical Communication Packages <sup>(†)</sup>		2023	L3Harris / Melbourne, FL	TBD	AFCEC	Aug 2023	Jan 2024	640	0.043	Y		
Tactical Communication Packages <sup>(†)</sup>		2024	L3Harris / Melbourne, FL	TBD	AFCEC	Aug 2024	Jan 2025	287	0.043	Y		
Expedient Small Asset Protection (ESAP) Shelters <sup>(†)</sup>		2024	Dogwood Industries, LLC. / Woodinville, WA	SS / BPA	AFLCMC/WN - Agile Combat Systems	Oct 2023	Jul 2024	17	7.531	Y		Aug 2023

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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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
RADR Water and Fuels Expedient Repair System (WaFERS) Kit <sup>(†)</sup>		2023	Atlantic Diving Supply, INC. / Virginia Beach, VA	C / BPA	AFLCMC/WN - Agile Combat Systems	Aug 2023	Jun 2024	15	2.098	Y		
RADR Water and Fuels Expedient Repair System (WaFERS) Kit <sup>(†)</sup>		2024	Atlantic Diving Supply, INC. / Virginia Beach, VA	C / BPA	AFLCMC/WN - Agile Combat Systems	Jul 2024	May 2025	11	2.165	Y		
EOD Adaptive Basing Kit <sup>(†)</sup>		2024	AMS / Charlotte, NC	PO	AFCEC	Mar 2024	Sep 2024	7	0.848	Y		
RADR AM-2 Matting Kit <sup>(†)</sup>		2023	ALFAB / Enterprise, AL	MIPR	AFLCMC/WN - Agile Combat Systems	Sep 2023	Jun 2024	7	2.190	Y		
RADR AM-2 Matting Kit <sup>(†)</sup>		2024	ALFAB / Enterprise, AL	MIPR	AFLCMC/WN - Agile Combat Systems	Jul 2024	Mar 2025	16	2.190	Y		
Night Vision Devices <sup>(†)</sup>		2023	L3Harris / Melbourne, FL	MIPR	AFLCMC/WN - Agile Combat Systems	Aug 2023	Dec 2023	196	0.009	Y		
Night Vision Devices <sup>(†)</sup>		2024	L3Harris / Melbourne, FL	MIPR	AFLCMC/WN - Agile Combat Systems	Aug 2024	Dec 2024	430	0.009	Y		
EOD C4I Systems <sup>(†)</sup>		2023	IHNSWC / Indian Head, MD	PO	AFCEC	Aug 2023	Jan 2024	475	0.008	Y		
EOD C4I Systems <sup>(†)</sup>		2024	IHNSWC / Indian Head, MD	PO	AFCEC	Aug 2024	Jan 2025	375	0.008	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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>RADR AM-2 Matting Kit</b>																															
	14	2023	AF	7	0	7																							A -	7	
	14	2024	AF	16	0	16																								16	
<b>Night Vision Devices</b>																															
	15	2023	AF	196	0	196																							A -	-	196
	15	2024	AF	430	0	430																								430	
<b>EOD C4I Systems</b>																															
	16	2023	AF	475	0	475																							A -	-	475
	16	2024	AF	375	0	375																								375	
							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	



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**Exhibit P-21, Production Schedule: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024													Fiscal Year 2025													BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025													
							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			
EOD Unmanned Systems (Large)																																	
	1	2022	AF	44	9	35	5	5	5	5	5	5	5																0				
	1	2023	AF	107	0	107	-	-	-	-	-	-	-	-	-	-	20	20	20	20	20	7							0				
EOD Unmanned Systems (Small)																																	
	2	2024	AF	40	0	40											A -	-	-	10	10	10	10					0					
EOD Remote Firing Systems																																	
	3	2024	AF	1,000	0	1,000											A -	-	-	-	100	100	100	100	100	100	100	100	100				
EOD Ordnance Locator Systems																																	
	4	2023	AF	360	0	360	-	-	-	-	100	100	100	60														0					
EOD Directed Energy Systems (RADBO)																																	
	5	2023	AF	12	10	2	2																					0					
	5	2024	AF	3	0	3	-	-	-	-	-	-	2	1														0					
Rapid Airfield Damage Assessment System (RADAS)																																	
	6	2022	AF	9	9	0																						0					
	7	2023	AF	49	0	49	-	-	-	10	10	10	10	9														0					
	7	2024	AF	5	0	5											A -	-	-	-	-	5						0					
Fiber Reinforced Polymer (FRP) Kit																																	
	8	2023	AF	10	0	10	-	-	-	-	-	-	-	2	2	2	2	2										0					
	8	2024	AF	68	0	68											A -	-	-	-	-	-	-	-	-	-	6	6	6	6	6	38	
CBRN Radiological Detection Family of Systems (FoS)																																	
	9	2022	AF	280	280	0																						0					
	9	2023	AF	420	0	420	-	-	-	35	35	35	35	35	35	35	35	35	35	35	35							0					
	9	2024	AF	285	0	285											A -	-	-	-	35	35	35	35	35	35	35	35	5	0			
Tactical Communication Packages																																	
	10	2023	AF	640	0	640	-	-	-	100	100	100	100	100	100	40												0					
	10	2024	AF	287	0	287											A -	-	-	-	-	100	100	87				0					
Expedient Small Asset Protection (ESAP) Shelters																																	
	11	2024	AF	17	0	17	A -	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	1				0					
RADR Water and Fuels Expedient Repair System (WaFERS) Kit																																	
	12	2023	AF	15	0	15	-	-	-	-	-	-	-	2	2	2	2	2	2	2	1							0					
	12	2024	AF	11	0	11											A -	-	-	-	-	-	-	-	2	2	2	2	2	1			
EOD Adaptive Basing Kit																																	
	13	2024	AF	7	0	7											A -	-	-	-	-	2	2	2	1				0				
							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			

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024												Fiscal Year 2025												BALANCE				
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025															
							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			
RADR AM-2 Matting Kit																																		
	14	2023	AF	7	0	7	-	-	-	-	-	-	-	-	-	2	2	2	1										0					
	14	2024	AF	16	0	16											A -	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	0
Night Vision Devices																																		
	15	2023	AF	196	0	196	-	-	100	96																				0				
	15	2024	AF	430	0	430											A -	-	-	-	-	100	100	100	100	30						0		
EOD C4I Systems																																		
	16	2023	AF	475	0	475	-	-	-	100	100	100	100	75																	0			
	16	2024	AF	375	0	375											A -	-	-	-	-	100	100	100	75							0		
							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				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2026												Fiscal Year 2027												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026												Calendar Year 2027												
							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
EOD Unmanned Systems (Large)																															
	1	2022	AF	44	44	0																							0		
	1	2023	AF	107	107	0																							0		
EOD Unmanned Systems (Small)																															
	2	2024	AF	40	40	0																							0		
EOD Remote Firing Systems																															
	3	2024	AF	1,000	900	100	100																						0		
EOD Ordnance Locator Systems																															
	4	2023	AF	360	360	0																							0		
EOD Directed Energy Systems (RADBO)																															
	5	2023	AF	12	12	0																							0		
	5	2024	AF	3	3	0																							0		
Rapid Airfield Damage Assessment System (RADAS)																															
	6	2022	AF	9	9	0																							0		
	7	2023	AF	49	49	0																							0		
	7	2024	AF	5	5	0																							0		
Fiber Reinforced Polymer (FRP) Kit																															
	8	2023	AF	10	10	0																							0		
	8	2024	AF	68	30	38	6	6	6	6	6	6	2																0		
CBRN Radiological Detection Family of Systems (FoS)																															
	9	2022	AF	280	280	0																							0		
	9	2023	AF	420	420	0																							0		
	9	2024	AF	285	285	0																							0		
Tactical Communication Packages																															
	10	2023	AF	640	640	0																							0		
	10	2024	AF	287	287	0																							0		
Expedient Small Asset Protection (ESAP) Shelters																															
	11	2024	AF	17	17	0																							0		
RADR Water and Fuels Expedient Repair System (WaFERS) Kit																															
	12	2023	AF	15	15	0																							0		
	12	2024	AF	11	10	1	1																						0		
EOD Adaptive Basing Kit																															
	13	2024	AF	7	7	0																							0		
							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	

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026														Fiscal Year 2027														BALANCE
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026														Calendar Year 2027														
							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					
RADR AM-2 Matting Kit																																			
	14	2023	AF	7	7	0																							0						
	14	2024	AF	16	14	2	2																						0						
Night Vision Devices																																			
	15	2023	AF	196	196	0																							0						
	15	2024	AF	430	430	0																							0						
EOD C4I Systems																																			
	16	2023	AF	475	475	0																							0						
	16	2024	AF	375	375	0																							0						
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845100 / Engineering and EOD Equipment	<b>Item Number / Title [DODIC]:</b> Engineering and EOD Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	L3Harris - Melbourne, FL	20	120	200	0	0	0	0	0	1	6	17	23
2	To Be Solicited - TBD	1	5	60	1	10	3	13	0	0	0	0	0
3	To Be Solicited - TBD	10	500	5,000	1	12	4	16	0	0	0	0	0
4	IHNSWC - Indian Head, MD	1	200	500	1	1	17	18	0	0	0	0	0
5	Parsons - Huntsville, AL	2	2	50	0	0	0	0	0	1	0	8	8
6	Dynamic Software Solutions - Niceville, FL				0	0	0	0	0	0	0	0	0
7	To Be Solicited - TBD	1	50	100	0	0	0	0	0	1	11	5	16
8	AMS Industries, LLC. - Charlotte, NC	1	36	68	0	0	0	0	0	1	9	11	20
9	Visionary Products, Inc. - Draper, UT	250	500	1,000	0	0	0	0	0	1	12	4	16
10	L3Harris - Melbourne, FL	1	200	2,000	0	0	0	0	0	1	11	5	16
11	Dogwood Industries, LLC. - Woodinville, WA	12	18	24	1	1	9	10	0	0	0	0	0
12	Atlantic Diving Supply, INC. - Virginia Beach, VA	10	12	20	0	0	0	0	0	1	10	10	20
13	AMS - Charlotte, NC	1	10	20	1	6	6	12	0	0	0	0	0
14	ALFAB - Enterprise, AL	8	16	48	0	0	0	0	0	1	10	8	18
15	L3Harris - Melbourne, FL	1	250	1,000	0	0	0	0	0	1	11	4	15
16	IHNSWC - Indian Head, MD	1	250	1,000	0	0	0	0	0	1	11	5	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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	63.814	78.279	207.071	-	207.071	118.951	96.761	88.826	90.741	-	744.443
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	63.814	78.279	207.071	-	207.071	118.951	96.761	88.826	90.741	-	744.443
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>63.814</b>	<b>78.279</b>	<b>207.071</b>	-	<b>207.071</b>	<b>118.951</b>	<b>96.761</b>	<b>88.826</b>	<b>90.741</b>	-	<b>744.443</b>

*(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:**

FY2024 includes 71,442 thousand for the Overseas Operational Costs budget request.

This program funds procurement of Basic Expeditionary Airfield Resources (BEAR). It includes, but is not limited to, 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. Prepositioned War Reserve Capabilities (PWRCs) (ashore and afloat) place military unit type equipment and supplies at or near the point of planned use to reduce reaction time and ensure timely support of a specific force during the initial phases of an operation. These assets provide combatant commanders with initial capabilities and materiel until establishment of a mature and sustained Strategic/Theater Distribution Network (TDP). (CJSCI 4310.01D)

BEAR is one of five FORCE Generation Sets (FGS) and is composed of multiple air base capability packages to include: feeding, hygiene, water production, power production, airfield lighting, shelters, aircraft arresting systems, and environmental support equipment. FGS-BEAR provides personnel, infrastructure, and flight line support at forward operating sites (Establish the Base, Operate the Base) 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, 635MMG, and Eagle Flag. Costs include inventory reconstitution, spares and consumables, repairs, and procurement of new equipment for upgrades or full UTC's replacement. This program serves a critical role in support of the Combatant Commanders (COCOM) requirements to support 5 Major OPLANS, and ensures the objectives of the Asian Pacific Stability and European Defense Initiatives can be executed.

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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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Expeditionary Airfield Lighting System (EALS)(Legacy): 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. System will be replaced with a Next Generation System over the FYDP.</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, WH-400 water heaters for initial Hygiene fielding and Self Help Laundry system which provides personal hygiene facilities in support of BEAR bases.</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>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>Heating, Ventilating, and Air Conditioning (HVAC): provide thermal comfort and acceptable indoor air quality.</p> <p>Environmental Control Unit (ECU): Heat Pump to provide cooling, heating via reversing valve (heat pump) and supplemental heat via resistance heat strips.</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> <p>This requirement (or modification) supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p> <p>Funding for this exhibit contained in 040113</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Mobility Equipment	P-5a, P-21	A		- / -	- / 63.814	- / 78.279	- / 207.071	- / -	- / 207.071
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 63.814</b>	<b>- / 78.279</b>	<b>- / 207.071</b>	<b>- / -</b>	<b>- / 207.071</b>

\*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 sum exactly due to rounding.

**Justification:**  
Currently the WRM BEAR portfolio has greater than 1.2 Billion dollars in Force Generation Set capabilities that are vacant, based on the planned program funding in the out years it will take more than 15 years to fill these vacant authorizations. Past and any present funding offsets will further delay filling these critical assets required by the COCOM's to meet their operational mission objectives.

Significantly impacts both StT and ACE initiatives, along with OI5 for PACAF requirements.

European Deterrence Initiative (EDI) Overseas Operations Costs increase between FY23 0 and FY24 71,442 thousand provides investment funding to procure Pre-Positioned WRM FORCE Generation Sets&#160;in order to Set the Theatre and enable OPLAN Execution. PDI Increase between FY23 and FY24 enable Agile Combat Employment (ACE) while establishing Regional Base Pre-Positioned Cluster (RBCP) Sets, it provides investment funding to procure Basic Expeditionary Airfield Resources (BEAR) Pre-Positioned WRM FORCE Generation Sets&#160;in order to Set the Theatre and enable OPLAN Execution.

Pacific Deterrence Initiative (PDI) Increase between FY23 \$0 and FY24 \$105,655 thousand enable Agile Combat Employment (ACE) while establishing Regional Base Pre-Positioned Cluster (RBCP) Sets, it provides investment funding to procure Basic Expeditionary Airfield Resources (BEAR) Pre-Positioned WRM FORCE Generation Sets in order to Set the Theatre and enable OPLAN Execution.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5			<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment			<b>Item Number / Title [DODIC]:</b> Mobility Equipment		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>		
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	63.814	78.279	207.071	-	207.071
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	63.814	78.279	207.071	-	207.071
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>63.814</b>	<b>78.279</b>	<b>207.071</b>	-	<b>207.071</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Mobility Equipment Cost</b>																		
<b>Recurring Cost</b>																		
BASE LIGHTING	-	-	44,000.00	12	0.528	33,000.00	41	1.353	23,000.00	94	2.162	-	-	-	23,000.00	94	2.162	
BEAR High Power (BPU) <sup>(†)</sup>	-	-	750,000.00	3	2.250	818,000.00	18	14.724	859,000.00	16	13.744	-	-	-	859,000.00	16	13.744	
AIRFIELD LIGHTING	-	-	1,357K	12	16.284	2,251K	7	15.757	2,197K	30	65.910	-	-	-	2,197K	30	65.910	
HYGIENE	-	-	422,000.00	4	1.688	446,000.00	13	5.798	105,000.00	47	4.935	-	-	-	105,000.00	47	4.935	
WATER PRODUCTION	-	-	324,000.00	1	0.324	395,000.00	30	11.850	398,000.00	4	1.592	-	-	-	398,000.00	4	1.592	
FEEDING	-	-	259,000.00	3	0.777	-	-	-	418,000.00	5	2.090	-	-	-	418,000.00	5	2.090	
MOBILE AIRCRAFT ARRESTING SYSTEM	-	-	657,000.00	30	19.710	1,250K	2	2.500	846,000.00	50	42.300	-	-	-	846,000.00	50	42.300	
POWER PRODUCTION	-	-	23,000.00	159	3.657	65,000.00	107	6.955	21,000.00	333	6.993	-	-	-	21,000.00	333	6.993	
SHELTERS	-	-	50,000.00	160	8.000	467,000.00	13	6.071	59,000.00	232	13.688	-	-	-	59,000.00	232	13.688	
ENVIRONMENTAL <sup>(†)</sup>	-	-	13,000.00	667	8.671	22,000.00	502	11.044	17,000.00	1,300	22.100	-	-	-	17,000.00	1,300	22.100	
ARRK J1/J5 Kits <sup>(†)</sup>	-	-	-	-	-	-	-	-	386,000.00	78	30.108	-	-	-	386,000.00	78	30.108	
<i>Subtotal: Recurring Cost</i>	-	-	-	-	<b>61.889</b>	-	-	<b>76.052</b>	-	-	<b>205.622</b>	-	-	-	-	-	<b>205.622</b>	
<i>Subtotal: Hardware - Mobility Equipment Cost</i>	-	-	-	-	<b>61.889</b>	-	-	<b>76.052</b>	-	-	<b>205.622</b>	-	-	-	-	-	<b>205.622</b>	
<b>Support - Mobility Equipment Cost</b>																		
PMA-CONTRACTOR SERVICES	-	-	1,020K	1	1.020	1,197K	1	1.197	1,189K	1	1.189	-	-	-	1,189K	1	1.189	

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Air Force												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5						<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment						<b>Item Number / Title [DODIC]:</b> Mobility Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
TRANSPORTATION	-	-	-	5,000.00	181	0.905	5,000.00	206	1.030	5,000.00	52	0.260	-	-	-	5,000.00	52	0.260
<i>Subtotal: Support - Mobility Equipment Cost</i>	-	-	-	-	-	1.925	-	-	2.227	-	-	1.449	-	-	-	-	-	1.449
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	63.814	-	-	78.279	-	-	207.071	-	-	-	-	-	207.071

**Remarks:**

Unit Costs for FY24 are assumed and subject to change.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies, studies and Advisory and Administrative Services (A&AS).

PMA Other Contractor Services: This funding includes provisions for government contract oversight, technical expertise, and program office support associated with the BEAR program.

FY22 funding: totals include 43,0240K requested for Enduring Requirements

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

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**Exhibit P-5a, Procurement History and Planning:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment	<b>Item Number / Title [DODIC]:</b> Mobility Equipment
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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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
BEAR High Power (BPU) <sup>(†)</sup>		2022	Cummins / Wisconsin	MIPR	AFLCMC/WN - Agile Combat Systems	Dec 2021	Oct 2022	3	750,000.00	Y		
BEAR High Power (BPU) <sup>(†)</sup>		2023	Cummins / Wisconsin	MIPR	AFLCMC/WN - Agile Combat Systems	Oct 2022	Mar 2023	18	818,000.00	Y		
BEAR High Power (BPU) <sup>(†)</sup>		2024	Cummins / Wisconsin	MIPR	AFLCMC/WN - Agile Combat Systems	Dec 2023	Mar 2024	16	859,000.00	Y		
ENVIRONMENTAL <sup>(†)</sup>		2022	Darley / Illinois	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2022	Apr 2022	667	13,000.00	Y		
ENVIRONMENTAL <sup>(†)</sup>		2023	Darley / Illinois	MIPR	AFLCMC/WN - Agile Combat Systems	Oct 2022	Dec 2022	502	22,000.00	Y		
ENVIRONMENTAL <sup>(†)</sup>		2024	Darley / Illinois	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2024	Mar 2024	1,300	17,000.00	Y		
ARRK J1/J5 Kits		2024	UTS / Florida	MIPR	AFLCMC/WN - Agile Combat Systems	Oct 2023	Aug 2024	78	386,000.00	Y		

<sup>(†)</sup> indicates the presence of a P-21

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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 <i>(Units in Each)</i>							Fiscal Year 2022														Fiscal Year 2023														BALANCE
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
BEAR High Power (BPU)																																			
	1	2022	AF	3	0	3				A -	-	-	-	-	-	-	-	-	1	1	1										0				
	1	2023	AF	18	0	18													A -	-	-	-	-	-	1	1	1	1	1	1	1	11			
	1	2024	AF	16	0	16																									16				
ENVIRONMENTAL																																			
	2	2022	AF	667	0	667				A -	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60	40	27			0					
	2	2023	AF	502	0	502													A -	-	20	20	20	20	20	20	20	20	21	21	21	21	298		
	2	2024	AF	1,300	0	1,300																									1,300				

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

**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 <i>(Units in Each)</i>							Fiscal Year 2024														Fiscal Year 2025														BALANCE
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
BEAR High Power (BPU)																																			
	1	2022	AF	3	3	0																							0						
	1	2023	AF	18	7	11	1	1																					9						
	1	2024	AF	16	0	16			A -	-	-	1	1	1	1	1	1	1										9							
ENVIRONMENTAL																																			
	2	2022	AF	667	667	0																						0							
	2	2023	AF	502	204	298	21	21																				256							
	2	2024	AF	1,300	0	1,300			A -	-	50	100	100	100	100	100	100	100	133	100	100	100	117				0								
							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					

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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845420 / Mobility Equipment	<b>Item Number / Title [DODIC]:</b> Mobility Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Cummins - Wisconsin	6	18	24	0	0	0	0	0	1	3	3	6
2	Darley - Illinois	1	20	1,600	0	0	0	0	0	1	4	2	6

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	17.928	26.062	218.790	-	218.790	24.549	34.942	36.374	28.385	-	387.030
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	17.928	26.062	218.790	-	218.790	24.549	34.942	36.374	28.385	-	387.030
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>17.928</b>	<b>26.062</b>	<b>218.790</b>	-	<b>218.790</b>	<b>24.549</b>	<b>34.942</b>	<b>36.374</b>	<b>28.385</b>	-	<b>387.030</b>

*(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:**

This program funds for the procurement of Fuels Operational Readiness Capability Equipment (FORCE). It provides the capability to receive, store, and issue petroleum products and support aircraft generation where fixed systems do not exist or require augmentation. FORCE is a subset of the Pre-Positioned War Reserve Capabilities (PWRC), it is a Force Generation Set (FGS) that provides mission oriented operational capability packages/force modules aligned with the air and space expeditionary task force modules described in AFI 10-401, AF Operations Planning and Execution, and this instruction. This program serves a critical role in support of the Combatant Commanders (COCOM) requirements to support 5 Major OPLANS and ensures the objectives of the Asian Pacific Stability and European Defense Initiatives can be executed.

Fuels Operational Readiness Capability Equipment (FORCE Starter (FS), Receipt (RC) and Sustainment (SC) is a deployable modular fuel system that can provide joint capability to fuel aircraft and support equipment at forward locations. The FORCE system can be configured to perform limited aircraft fueling missions or to sustain massive daily fueling requirements for months. FORCE is capable of receiving, transferring, and issuing fuel at a throughput rate of 900 Gallons per Minute (GPM). The individual pieces of equipment that comprise the FORCE system provide stand-alone or mix-and-match capability for almost any fuel transfer or aircraft refueling scenario. The full capability mission of the complete FORCE System, when used in conjunction with fabric fuel bladders, provides a deployable, above ground, constant pressure, flow-on demand fueling system for aircraft, i.e., a hydrant-type fueling system.

Aerial Bulk Fuel Delivery System (ABFDS), designed for aerial delivery of fuel to locations where other methods of transportation are impractical, it enables aircraft to rapidly transport fuel to locations close to or behind enemy lines. It is the key component to the AFSOC community and their ability to complete Forward Area Refueling Point missions (FARP).

3K Collapsible Fuel Tanks (CFT) are specifically designed to be loaded on military aircraft and withstand the critical demands put on them during flight operations, in conjunction with the ABFDS they provide the ability to transfer fuel from the aircraft storage bladder while aircraft engines are running.

Collapsible Fuel Tanks (CFT) or more commonly referred to as fuel bladders provide fuel storage capabilities at austere or forward operating locations where infrastructure is either inadequate or non-existent. Bladders sizes range from 10K, 50K and 210K gallons of fuel storage, these bladders are capable of holding a multitude of petroleum products to support both air and ground operations. Collapsible fuel tanks are used with Fuels Operational Readiness Capability Equipment (FORCE) to support various aircraft systems at forward operating locations.

500 Gal LOX/Lin Tanks, are deployable liquid oxygen/liquid nitrogen storage tanks that can receive, store, and issue liquid oxygen or nitrogen products to service carts or smaller tanks. Provides bulk storage capacity and is used to fill smaller cryogenic equipment (8 Cylinder trailers, 50 Gallon LOX Tank) and aircraft.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment		<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

Fuels Pumping & Distribution provides multiple capabilities to receive and deliver petroleum products to initiate and sustain ground and air operations for both expeditionary and contingency operations. Ensures the ability to service smaller aircraft such as UAV's and base support vehicles and increases the distance that fuel loads can be safely distributed to the base up to 3 miles.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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

Operational FSE Funding (NON WRM ASSETS) is a new start in FY23.

Funding for this exhibit contained in PE 028031F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** 845550 / Fuels Support Equipment (FSE)

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

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Fuels Support Equipment (FSE)	P-5a, P-21	A		- / -	- / 17.928	- / 26.062	- / 218.790	- / -	- / 218.790
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 17.928</b>	<b>- / 26.062</b>	<b>- / 218.790</b>	<b>- / -</b>	<b>- / 218.790</b>

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 procurement dollars in the amount of 31,377K Base and 0M European Deterrence Initiative (EDI) Enduring Requirements and 186.818K for Pacific Deterrence Initiative / Regional Base Cluster Prepositioning, and 3,451K for Operational FSE requirements. This will procure equipment in support of, but not limited to, AFCENT. Asian Pacific Stability Initiative (OI5) &(OI7), and other War Reserve Materiel Global Theater requirements.

Pacific Deterrence Initiative (PDI) increase between FY23 \$0 and FY24 \$186,818 thousand enables Agile Combat Employment (ACE) while establishing Regional Base Pre-Positioned Cluster (RBCP) Sets, it provides investment funding to procure Fuels Support Equipment (FSE) Pre-Positioned WRM FORCE Generation Sets in order to Set the Theatre and enable OPLAN Execution.

Currently the WRM FSE/FORCE portfolio has greater than 240M in Force Generation Set capabilities that are vacant, based on the planned program funding in the out years it will take more than 15 years to fill these vacant authorizations. Past and any present funding offsets will further delay filling these critical assets required by the COCOM's to meet their operational mission objectives.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>						<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5			<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)			<b>Item Number / Title [DODIC]:</b> Fuels Support Equipment (FSE)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A				<b>MDAP/MAIS Code:</b>				
<b>Resource Summary</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			-	17.928	26.062	218.790	-	218.790
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)			-	17.928	26.062	218.790	-	218.790
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>			-	<b>17.928</b>	<b>26.062</b>	<b>218.790</b>	-	<b>218.790</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Hardware - Fuels Support Equipment (FSE) Cost</b>																		
<b>Recurring Cost</b>																		
FORCE SERVICING (FS,RC,SC) <sup>(†)</sup>	-	-	-	0.150	7	1.050	0.296	5	1.480	0.291	146	42.486	-	-	-	0.291	146	42.486
FUEL STORAGE BLADDERS <sup>(†)</sup>	-	-	-	0.041	198	8.118	0.053	115	6.095	0.059	670	39.530	-	-	-	0.059	670	39.530
AERIAL BULK FUEL DELIVERY SYSTEM (ABFDS) / AGILE FUELING SYSTEM <sup>(†)</sup>	-	-	-	0.750	9	6.750	1.967	3	5.901	0.863	62	53.506	-	-	-	0.863	62	53.506
CRYOGENICS (LOX/LIN TANKS) <sup>(†)</sup>	-	-	-	0.150	3	0.450	-	-	-	0.241	86	20.726	-	-	-	0.241	86	20.726
FUELS PUMPING & DISTRIBUTION <sup>(†)</sup>	-	-	-	0.250	2	0.500	0.400	10	4.000	0.205	190	38.950	-	-	-	0.205	190	38.950
FSE LAB EQUIPMENT	-	-	-	0.005	20	0.100	0.030	5	0.150	0.005	60	0.300	-	-	-	0.005	60	0.300
OPERATIONAL FSE FUNDING (NON-WRM ASSETS)	-	-	-	-	-	-	3.092	1	3.092	3.451	1	3.451	-	-	-	3.451	1	3.451
All Terrain Berm Storage System <sup>(†)</sup>	-	-	-	-	-	-	0.063	69	4.347	0.111	172	19.092	-	-	-	0.111	172	19.092
<b>Subtotal: Recurring Cost</b>	-	-	-	-	-	<b>16.968</b>	-	-	<b>25.065</b>	-	-	<b>218.041</b>	-	-	-	-	-	<b>218.041</b>
<b>Subtotal: Hardware - Fuels Support Equipment (FSE) Cost</b>	-	-	-	-	-	<b>16.968</b>	-	-	<b>25.065</b>	-	-	<b>218.041</b>	-	-	-	-	-	<b>218.041</b>

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>												<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5						<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)						<b>Item Number / Title [DODIC]:</b> Fuels Support Equipment (FSE)					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A												<b>MDAP/MAIS Code:</b>					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
<b>Support - Fuels Support Equipment (FSE) Cost</b>																		
PMA OTHER CONTRACTOR SERVICES (FORCE)	-	-	-	0.515	1	0.515	0.697	1	0.697	0.579	1	0.579	-	-	-	0.579	1	0.579
TRANSPORTATION MOORD	-	-	-	0.005	89	0.445	0.005	60	0.300	0.005	34	0.170	-	-	-	0.005	34	0.170
<i>Subtotal: Support - Fuels Support Equipment (FSE) Cost</i>	-	-	-	-	-	<b>0.960</b>	-	-	<b>0.997</b>	-	-	<b>0.749</b>	-	-	-	-	-	<b>0.749</b>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>17.928</b>	-	-	<b>26.062</b>	-	-	<b>218.790</b>	-	-	-	-	-	<b>218.790</b>

**Remarks:**

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies, studies and Advisory and Administrative Services (A&AS).

PMA Other Contractor Services: This funding includes provisions for government contract oversight, technical expertise, and program office support associated with the FSE/FORCE program.

Requirements are subject to change based on shifts in both Air Force priorities and operational requirements in the year of execution.

FY24 Funding: PDM 1 directed \$173.1M for PACAF RBCP/ACE WRM Fuels support equipment.

FY21 funding was realigned to procure FORCE equipment after the AFPET Fuels FAM pulled the plug on the current contracting efforts for a new ABFDS, AFPET has submitted Requirements Documents to AFLCMC/WNZ for the procurement of a new redesigned system that better meets the changing requirements of the COCOM's.

FY22 Funding that was planned for the ABFDS procurement will be moved to procure needed requirements for both FORCE and bladders.

FY22 funding totals include 7,993K appropriated for Overseas Contingency Operations (EDI).

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

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**Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)	<b>Item Number / Title [DODIC]:</b> Fuels Support Equipment (FSE)
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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
FORCE SERVICING (FS,RC,SC) <sup>(†)</sup>		2022	Entwistle / Virginia	TBD	AFLCMC/WN - Agile Combat Systems	Sep 2022	Apr 2023	7	0.150	Y		
FORCE SERVICING (FS,RC,SC) <sup>(†)</sup>		2023	Entwistle / Virginia	TBD	AFLCMC/WN - Agile Combat Systems	Mar 2023	Sep 2023	5	0.296	Y		
FORCE SERVICING (FS,RC,SC) <sup>(†)</sup>		2024	Entwistle / Virginia	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2024	Mar 2024	146	0.291	Y		
FUEL STORAGE BLADDERS <sup>(†)</sup>		2022	DLA / Virginia	MIPR	AFLCMC/WN - Agile Combat Systems	Sep 2022	Dec 2022	198	0.041	Y		
FUEL STORAGE BLADDERS <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Dec 2023	Mar 2024	115	0.053	Y		
FUEL STORAGE BLADDERS <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Nov 2023	Mar 2024	670	0.059	Y		
AERIAL BULK FUEL DELIVERY SYSTEM (ABFDS) / AGILE FUELING SYSTEM <sup>(†)</sup>		2022	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2022	Apr 2022	9	0.750	Y		
AERIAL BULK FUEL DELIVERY SYSTEM (ABFDS) / AGILE FUELING SYSTEM <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2023	Apr 2023	3	1.967	Y		
AERIAL BULK FUEL DELIVERY SYSTEM (ABFDS) / AGILE FUELING SYSTEM <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2024	Apr 2024	62	0.863	Y		
CRYOGENICS (LOX/LIN TANKS)		2022	Essex / Missouri	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2022	Jan 2022	3	0.150	Y		
CRYOGENICS (LOX/LIN TANKS)		2024	Essex / Missouri	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2024	Jan 2024	86	0.241	Y		
FUELS PUMPING & DISTRIBUTION		2022	TBD / TBD	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2022	Apr 2022	2	0.250	Y		
FUELS PUMPING & DISTRIBUTION		2023	TBD / TBD	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2023	May 2023	10	0.400	Y		
FUELS PUMPING & DISTRIBUTION		2024	TBD / TBD	MIPR	AFLCMC/WN - Agile Combat Systems	Jan 2024	May 2024	190	0.205	Y		
All Terrain Berm Storage System <sup>(†)</sup>		2023	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2023	May 2023	69	0.063	Y		
All Terrain Berm Storage System <sup>(†)</sup>		2024	TBD / TBD	TBD	AFLCMC/WN - Agile Combat Systems	Jan 2024	Apr 2024	172	0.111	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)	<b>Item Number / Title [DODIC]:</b> Fuels Support Equipment (FSE)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025												
							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>FORCE SERVICING (FS,RC,SC)</b>																																	
	1	2022	AF	7	7	0																							0				
	1	2023	AF	5	2	3	3																						0				
	1	2024	AF	146	0	146			A -	-	8	8	8	8	8	-	8	12	12	12	12							50					
<b>FUEL STORAGE BLADDERS</b>																																	
	2	2022	AF	198	198	0																						0					
	3	2023	AF	115	0	115			A -	-	-	25	25	25	25	15												0					
	3	2024	AF	670	0	670			A -	-	-	55	55	65	65	65	65	70	70	80	80						0						
<b>AERIAL BULK FUEL DELIVERY SYSTEM (ABFDS) / AGILE FUELING SYSTEM</b>																																	
	4	2022	AF	9	9	0																						0					
	4	2023	AF	3	1	2																						2					
	4	2024	AF	62	0	62			A -	-	-	1	1	2	2	2	3	3	3	3							42						
<b>All Terrain Berm Storage System</b>																																	
	5	2023	AF	69	50	19	10	9																				0					
	5	2024	AF	172	0	172			A -	-	-	30	30	30	17													65					
							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			



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845550 / Fuels Support Equipment (FSE)	<b>Item Number / Title [DODIC]:</b> Fuels Support Equipment (FSE)
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Entwistle - Virginia	2	24	48	1	4	2	6	0	0	0	0
2	DLA - Virginia				0	0	0	0	0	0	0	0
3	TBD - TBD	40	75	700	1	2	4	6	0	0	0	0
4	TBD - TBD	12	12	24	1	4	3	7	0	0	0	0
5	TBD - TBD	24	100	150	1	4	3	7	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 5: Base Support Equipment	<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0202834F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	42.705	51.368	51.914	-	51.914	54.421	48.812	50.631	51.705	-	351.556
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	42.705	51.368	51.914	-	51.914	54.421	48.812	50.631	51.705	-	351.556
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	<b>42.705</b>	<b>51.368</b>	<b>51.914</b>	-	<b>51.914</b>	<b>54.421</b>	<b>48.812</b>	<b>50.631</b>	<b>51.705</b>	-	<b>351.556</b>

*(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:**

FY 2023 funding totals includes 300K for Overseas Operations Costs request.

FY 2024 funding totals includes 3,890K for Overseas Operations Costs request.

This portfolio program provides a wide variety of base support equipment items with worldwide application. Equipment includes, but is not limited to, Aircraft Arresting Systems (AAS), Base Logistics and Support Equipment (BLSE), Tools and Industrial Plant Equipment, Cargo Pallet and Net Systems, Base Generator Power Systems, and Deployable Debrief Facilities (DDF). This equipment provides prime support for all base missions. Lack of funding for these equipment items limits safe flight operations, aircraft maintenance and testing capabilities, anti-terrorism and security missions, communications capabilities, and the ability of Air Force units to meet deployment requirements.

Funding for this exhibit contained in the following program elements: 0101110F, 0207521F, 0202834F, 0502834F, 0502844F, 0802834F, 0901279F.

Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	41.057	49.580	51.914	-	51.914	-	-	-
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.550	1.681	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.098	0.107	-	-	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>42.705</b>	<b>51.368</b>	<b>51.914</b>	-	<b>51.914</b>	-	-	-

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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 / Base Maintenance and Support Equipment

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0202834F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Base Maintenance and Support Equipment	P-5a, P-21	A		- / -	- / 42.705	- / 51.368	- / 51.914	- / -	- / 51.914
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / -</b>	<b>- / 42.705</b>	<b>- / 51.368</b>	<b>- / 51.914</b>	<b>- / -</b>	<b>- / 51.914</b>

\*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 sum exactly due to rounding.

**Justification:**  
FY24 will procure the following:

Cargo Pallets and Nets (SE&V):  
Cargo Pallets & Nets provide an expedient means of loading and unloading cargo on transport aircraft across the DoD. Pallets & Nets also secure cargo to maintain aircraft balance which is crucial to safety of flight. 661 users across the DoD rely on Pallets & Nets to carry out their primary mission, through which capability and equipment are transported to all parts of the globe, enabling the execution of our National Defense Strategy.

Small Munitions Trailers, Aircraft Engine Trailers (SE&V):  
These trailer programs support the loading, moving and shipping of all numerous varieties of Munitions and aircraft Engines. Small Munitions Trailers program provides trailers (and associated accessories) capable of carrying up to 15,000 lbs of conventional munitions and up to 5,500 lbs of nuclear munitions in direct support to aircraft operations. These trailers carry bombs, missiles (Air-to-Air and Air-to-Ground), all calibers of ammunition, all countermeasures all decoys and practice bombs. Small Munitions Trailers directly support B-1, B-2, B-52, A-10, F-15, F16, F-22, C-5, C-17, C-130, AC-130, KC-46, KC-10 and KC-135 rated to carry munitions as cargo. The existing 40+ year old trailers have significant reliability and obsolescence issues as well as high overhaul repair costs. Currently, the cost to complete a depot overhaul of a legacy munition trailer is nearly twice the estimated procurement cost of a new trailer.

Tools and Industrial Plant Equipment (SE&V):  
Supports many back shop, off aircraft maintenance tasks that enable the flying mission such as milling/grinding machines, lathes, bead breakers, and 3,000 other items.

Base Calibration Standards (equipment) (AFMETCAL):  
Funds calibration standards (equipment) for the Air Force Primary Standards Laboratory and 65 Precision Measurement Laboratories (PMEL) AF wide. These standards ensure PMEL measurements are traceable through the AFPSL to the National Institute of Standards and Technology. This traceability is critical to safety-of flight and sustainment of all AF weapon systems/base ops to include vehicle ops, communications, civil engineering, biomedical, and mobility TMDE. Enabling support for over 673k TMDE items for airlift, fighter, missile, nuclear deterrence, and cyber defense missions.

Base Logistics and Support Equipment (BLSE) (SE&V): BLSE is critical to safe flight operations and necessary for in-garrison and forward deployed locations. If equipment is not readily available, it can cause mission stoppage and severe degradation of operations. BLSE includes, but is not limited to, Flightline Fire Extinguishers, Hydraulic Rescue and Salvaging Kits, Fuel Tank Seal Kits, Automatic Gas Alarms, Restricted Area Anti-Intrusion Alarms, Self-Contained Breathing Apparatus, High Pressure Storage Tanks, Pipeline Repair Kits and Concrete Mixing Plants.  
Other Base Maint & SE: Paint Booth/Air Compressor for LO Restoration Facility; Compressed Air Eq for Wash Rack Facility; Uninterrupted Power Supply (UPS) for A/C Maint Unit Facility for B-21

FY2023 funding includes 300 thousand European Deterrence Initiative funding being executed in PE 020834F. \$3,590 thousand (PE 020834F) is requested for FY2024 European Deterrence Initiative.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5						<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment						<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A									<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	
Procurement Quantity (Units in Each)				-		-			-			-			-		-	
Gross/Weapon System Cost (\$ in Millions)				-		42.705			51.368			51.914			-		51.914	
Less PY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
Net Procurement (P-1) (\$ in Millions)				-		42.705			51.368			51.914			-		51.914	
Plus CY Advance Procurement (\$ in Millions)				-		-			-			-			-		-	
<b>Total Obligation Authority (\$ in Millions)</b>				-		<b>42.705</b>			<b>51.368</b>			<b>51.914</b>			-		<b>51.914</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
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 sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ M)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware - B-21 Cost																		
Recurring Cost																		
Paint Booth	-	-	-	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-
Compressed Air Equipment	-	-	-	-	-	-	0.573	1	0.573	-	-	-	-	-	-	-	-	-
Air Compressor	-	-	-	-	-	-	0.573	1	0.573	-	-	-	-	-	-	-	-	-
Uninterrupted Power Supply	-	-	-	-	-	-	0.573	1	0.573	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	2.719	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - B-21 Cost</i>	-	-	-	-	-	-	-	-	<b>2.719</b>	-	-	-	-	-	-	-	-	-
Hardware - Base Logistics Support Equipment Cost																		
Recurring Cost																		
AF <sup>(†)</sup>	-	-	-	-	-	-	7.995	1	7.995	5.444	1	5.444	-	-	-	5.444	1	5.444
AFR	-	-	-	-	-	-	0.107	1	0.107	-	-	0.000	-	-	-	-	-	0.000
ANG	-	-	-	-	-	-	1.681	1	1.681	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	9.783	-	-	5.444	-	-	-	-	-	5.444
<i>Subtotal: Hardware - Base Logistics Support Equipment Cost</i>	-	-	-	-	-	-	-	-	<b>9.783</b>	-	-	<b>5.444</b>	-	-	-	-	-	<b>5.444</b>
Hardware - Calibration Equipment Cost																		
Recurring Cost																		

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment	<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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)
AFMETCAL <sup>(†)</sup>	-	-	-	13.835	1	13.835	13.321	1	13.321	13.565	1	13.565	-	-	-	13.565	1	13.565
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	13.835	-	-	13.321	-	-	13.565	-	-	-	-	-	13.565
<i>Subtotal: Hardware - Calibration Equipment Cost</i>	-	-	-	-	-	13.835	-	-	13.321	-	-	13.565	-	-	-	-	-	13.565
<b>Hardware - Mechanized Material Handling Equipment Cost</b>																		
<i>Recurring Cost</i>																		
AF	-	-	-	2.634	1	2.634	2.961	1	2.961	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.634	-	-	2.961	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Mechanized Material Handling Equipment Cost</i>	-	-	-	-	-	2.634	-	-	2.961	-	-	-	-	-	-	-	-	-
<b>Hardware - MHU-110/141 Cost</b>																		
<i>Recurring Cost</i>																		
AF <sup>(†)</sup>	-	-	-	1.250	1	1.250	7.504	1	7.504	14.420	1	14.420	-	-	-	14.420	1	14.420
European Deterrence Initiative	-	-	-	8.499	1	8.499	0.300	1	0.300	3.890	1	3.890	-	-	-	3.890	1	3.890
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.749	-	-	7.804	-	-	18.310	-	-	-	-	-	18.310
<i>Subtotal: Hardware - MHU-110/141 Cost</i>	-	-	-	-	-	9.749	-	-	7.804	-	-	18.310	-	-	-	-	-	18.310
<b>Hardware - Pallet &amp; Net Cost</b>																		
<i>Recurring Cost</i>																		
Legacy Pallet <sup>(†)</sup>	-	-	-	8.359	1	8.359	7.653	1	7.653	8.794	1	8.794	-	-	-	8.794	1	8.794
Top Net	-	-	-	1.640	1	1.640	1.528	1	1.528	1.725	1	1.725	-	-	-	1.725	1	1.725
Low Profile Net <sup>(†)</sup>	-	-	-	3.836	1	3.836	3.787	1	3.787	4.036	1	4.036	-	-	-	4.036	1	4.036
Next Gen Pallet	-	-	-	-	-	-	0.691	1	0.691	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	13.835	-	-	13.659	-	-	14.555	-	-	-	-	-	14.555
<i>Subtotal: Hardware - Pallet &amp; Net Cost</i>	-	-	-	-	-	13.835	-	-	13.659	-	-	14.555	-	-	-	-	-	14.555
<b>Hardware - Power Conditioning Equipment Cost</b>																		
<i>Recurring Cost</i>																		
AF	-	-	-	1.004	1	1.004	1.087	1	1.087	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.004	-	-	1.087	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Power Conditioning Equipment Cost</i>	-	-	-	-	-	1.004	-	-	1.087	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2024 Air Force</b>													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5						<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment						<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>								

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 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 - Tools and Industrial Plant Equipment Cost																		
Recurring Cost																		
AFR	-	-	-	0.098	1	0.098	-	-	-	-	-	-	-	-	-	-	-	-
ANG	-	-	-	1.550	1	1.550	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.648	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Tools and Industrial Plant Equipment Cost</i>	-	-	-	-	-	1.648	-	-	-	-	-	-	-	-	-	-	-	-
Support - MHU-110/141 PMA Cost																		
Other Government Charges	-	-	-	-	-	-	-	-	0.020	-	-	0.025	-	-	-	-	-	0.025
<i>Subtotal: Support - MHU-110/141 PMA Cost</i>	-	-	-	-	-	-	-	-	0.020	-	-	0.025	-	-	-	-	-	0.025
Support - Pallet & Net PMA Cost																		
Other Government Charges	-	-	-	-	-	-	-	-	0.014	-	-	0.015	-	-	-	-	-	0.015
<i>Subtotal: Support - Pallet &amp; Net PMA Cost</i>	-	-	-	-	-	-	-	-	0.014	-	-	0.015	-	-	-	-	-	0.015
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	42.705	-	-	51.368	-	-	51.914	-	-	-	-	-	51.914

**Remarks:**  
FY 2023 funding totals includes \$300K for Overseas Operations Costs enacted budget.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
AF	Quantity	-	-	-	-	-
	Total Obligation Authority	41.057	49.580	51.914	-	51.914
AFNG	Quantity	-	-	-	-	-
	Total Obligation Authority	1.550	1.681	-	-	-
AFR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.098	0.107	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-
	<b>Total Obligation Authority</b>	42.705	51.368	51.914	-	51.914

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

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<b>Exhibit P-5a, Procurement History and Planning: PB 2024 Air Force</b>							<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5			<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment				<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support 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 <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AF <sup>(†)</sup>		2022	Varous / Various	Various	WR/ALC	Apr 2022	Sep 2022	1	1.250	Y		
AF		2023	TBD / TBD	TBD	WR/ALC	Apr 2023	Sep 2023	1	7.504	Y		
AF		2024	TBD / TBD	TBD	WR/ALC	Apr 2024	Sep 2024	1	14.420	Y		
AFMETCAL <sup>(†)</sup>		2022	Various / Various	Various	WR/ALC	Apr 2022	Sep 2022	1	13.835	Y		
AFMETCAL <sup>(†)</sup>		2023	TBD / TBD	TBD	WR/ALC	Apr 2023	Sep 2023	1	13.321	Y		
AFMETCAL <sup>(†)</sup>		2024	TBD / TBD	TBD	WR/ALC	Apr 2024	Sep 2024	1	13.565	Y		
AF <sup>(†)</sup>		2022	Varous / Various	Various	WR/ALC	Apr 2022	Sep 2022	1	1.250	Y		
AF		2023	TBD / TBD	TBD	WR/ALC	Apr 2023	Sep 2023	1	7.504	Y		
AF		2024	TBD / TBD	TBD	WR/ALC	Apr 2024	Sep 2024	1	14.420	Y		
Legacy Pallet <sup>(†)</sup>		2022	Various / Various	Various	WR/ALC	Apr 2022	Sep 2022	1	8.359	Y		
Legacy Pallet <sup>(†)</sup>		2023	TBD / TBD	TBD	WR/ALC	Apr 2023	Sep 2023	1	7.653	Y		
Legacy Pallet <sup>(†)</sup>		2024	TBD / TBD	TBD	WR/ALC	Apr 2024	Sep 2024	1	8.794	Y		
Low Profile Net <sup>(†)</sup>		2022	Various / Various	Various	WR/ALC	Apr 2022	Sep 2022	1	3.836	Y		
Low Profile Net <sup>(†)</sup>		2023	TBD / TBD	TBD	WR/ALC	Apr 2023	Sep 2023	1	3.787	Y		
Low Profile Net <sup>(†)</sup>		2024	TBD / TBD	TBD	WR/ALC	Apr 2024	Sep 2024	1	4.036	Y		

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force			<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5		<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment			<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment		

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022												Fiscal Year 2023												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												
							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
AF																															
1		2022	AF	1	0	1																								0	
AFMETCAL																															
2		2022	AF	1	0	1																								0	
3		2023	AF	1	0	1																								0	
3		2024	AF	1	0	1																								1	
AF																															
4		2022	AF	1	0	1																								0	
Legacy Pallet																															
5		2022	AF	1	0	1																								0	
6		2023	AF	1	0	1																								0	
6		2024	AF	1	0	1																								1	
Low Profile Net																															
7		2022	AF	1	0	1																								0	
8		2023	AF	1	0	1																								0	
8		2024	AF	1	0	1																								1	

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force																				<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5										<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment										<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment				

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2024														Fiscal Year 2025														B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024														Calendar Year 2025														
							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					
AF																																			
	1	2022	AF	1	1	0																								0					
AFMETCAL																																			
	2	2022	AF	1	1	0																								0					
	3	2023	AF	1	1	0																								0					
	3	2024	AF	1	0	1																								0					
AF																																			
	4	2022	AF	1	1	0																								0					
Legacy Pallet																																			
	5	2022	AF	1	1	0																								0					
	6	2023	AF	1	1	0																								0					
	6	2024	AF	1	0	1																								0					
Low Profile Net																																			
	7	2022	AF	1	1	0																								0					
	8	2023	AF	1	1	0																								0					
	8	2024	AF	1	0	1																								0					

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<b>Exhibit P-21, Production Schedule:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 5	<b>P-1 Line Item Number / Title:</b> 845990 / Base Maintenance and Support Equipment	<b>Item Number / Title [DODIC]:</b> Base Maintenance and Support Equipment

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	Varous - Various				0	0	0	0	0	0	0	0	0
2	Various - Various				0	0	0	0	0	0	0	0	0
3	TBD - TBD			20	0	7	5	12	0	0	0	0	0
4	Varous - Various				0	0	0	0	0	0	0	0	0
5	Various - Various				0	0	0	0	0	0	0	0	0
6	TBD - TBD			20	0	7	5	12	0	0	0	0	0
7	Various - Various				0	0	0	0	0	0	0	0	0
8	TBD - TBD			20	0	7	5	12	0	0	0	0	0

"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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects	<b>P-1 Line Item Number / Title:</b> 846070 / DARP RC135
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305207F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	181.150	27.359	28.153	28.882	-	28.882	29.505	30.191	31.320	31.986	-	388.546
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	181.150	27.359	28.153	28.882	-	28.882	29.505	30.191	31.320	31.986	-	388.546
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>181.150</b>	<b>27.359</b>	<b>28.153</b>	<b>28.882</b>	<b>-</b>	<b>28.882</b>	<b>29.505</b>	<b>30.191</b>	<b>31.320</b>	<b>31.986</b>	<b>-</b>	<b>388.546</b>

*(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:**

RC-135 procurement is executed by the Big Safari RC-135 Program Manager and is supported by various contractors. The contractors provide services including Program Depot Maintenance (PDM), prime mission equipment overhaul, special repair activity, in-plant support (sustainment engineering, software engineering, and program management), configuration management, Line Replaceable Unit (LRU) repair, and field service maintenance and training for special operational missions. The RC-135 Program Manager provides the full-range of weapons system management, acquisition oversight, program security and integrated logistics for the RC-135 aircraft, power plant, sensors and associated support and equipment. Due to the rapidly changing global threat environment, the Program Manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander and Intelligence Community (IC) requirements.

Funding for this exhibit contained in PE 0305207F.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** 0305207F

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / DARP Modification (Capability Improvement)		A		- / 181.150	- / 27.359	- / 28.153	- / 28.882	- / 0.000	- / 28.882
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 181.150</b>	<b>- / 27.359</b>	<b>- / 28.153</b>	<b>- / 28.882</b>	<b>- / -</b>	<b>- / 28.882</b>

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / DARP Modification (Capability Improvement)		A		- / 29.505	- / 30.191	- / 31.320	- / 31.986	- / -	- / 388.546
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 29.505</b>	<b>- / 30.191</b>	<b>- / 31.320</b>	<b>- / 31.986</b>	<b>- / -</b>	<b>- / 388.546</b>

\*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 sum exactly due to rounding.

**Justification:**  
 FY24 procurement funding acquires and installs various upgrade and enhancement modifications for ground support equipment associated with the RC-135 program. This ground support equipment is directly tied to fielded baselines of the RC-135 V/W RIVET JOINT, RC-135S COBRA BALL, and the RC-135U COMBAT SENT. The requirement to maintain commonality with fielded baselines necessitates the continuous modification and installation of upgrades concurrent with RC-135 aircraft entering operational status. These ground systems are critical to the post-mission processing of highly perishable intelligence information, and supporting aircrew proficiency training, virtual simulation exercises that contribute to distributed mission training initiatives, and provide support to indigenous maintenance during aircraft deployments to "bare-base locations. Additionally, all applicable ground support equipment is required to comply with NSA intelligence data recording formats and requirements due to the nature and sensitivity of the information.

Ground support equipment includes, but is not limited to: RIVET JOINT Mission Trainer (RJMT), Ground Data Processing System (GDPS), Mission Crew Training System (MCTS), Modular Processing System (MPS), and the Airborne Capability Extension System (ACES).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846070 / DARP RC135	<b>Modification Number / Title:</b> 1 / DARP Modification
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	181.150	27.359	28.153	28.882	0.000	28.882	29.505	30.191	31.320	31.986	-	388.546
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	181.150	27.359	28.153	28.882	0.000	28.882	29.505	30.191	31.320	31.986	-	388.546
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>181.150</b>	<b>27.359</b>	<b>28.153</b>	<b>28.882</b>	<b>0.000</b>	<b>28.882</b>	<b>29.505</b>	<b>30.191</b>	<b>31.320</b>	<b>31.986</b>	<b>-</b>	<b>388.546</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

RC-135 procurement is executed by the Big Safari RC-135 Program Manager and is supported by various contractors. The contractors provide services including Program Depot Maintenance (PDM), prime mission equipment overhaul, special repair activity, in-plant support (sustainment engineering, software engineering, and program management), configuration management, LRU repair, and field service maintenance and training for special operational missions. The RC-135 Program Manager provides the full-range of weapons system management, acquisition oversight, program security and integrated logistics for the RC-135 aircraft, power plant, sensors and associated support and equipment. Due to the rapidly changing global threat environment, the Program Manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander and Intelligence Community (IC) requirements.

FY24 procurement funding acquires and installs various upgrade and enhancement modifications for ground support equipment associated with the RC-135 program. This ground support equipment is directly tied to fielded baselines of the RC-135 V/W RIVET JOINT, RC-135S COBRA BALL, and the RC-135U COMBAT SENT. The requirement to maintain commonality with fielded baselines necessitates the continuous modification and installation of upgrades concurrent with RC-135 aircraft entering operational status. These ground systems are critical to the post-mission processing of highly perishable intelligence information, and supporting aircrew proficiency training, virtual simulation exercises that contribute to distributed mission training initiatives, and provide support to indigenous maintenance during aircraft deployments to "bare-base locations. Additionally, all applicable ground support equipment is required to comply with NSA intelligence data recording formats and requirements due to the nature and sensitivity of the information.

Ground support equipment includes, but is not limited to: Ground Data Processing System (GDPS), Mission Crew Training System (MCTS), Modular Processing System (MPS), and the Airborne Capability Extension System (ACES).

Milestone/Development Status

Fully Fielded Systems

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6				<b>P-1 Line Item Number / Title:</b> 846070 / DARP RC135				<b>Modification Number / Title:</b> 1 / DARP Modification					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> RC-135				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0305207F					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> BL Ground Systems													
A Kits													
Recurring													
BL Ground Systems:INSTALL KITS Group A (Active)	6 / 137.289	1 / 19.783	1 / 20.342	1 / 20.890	- / -	1 / 20.890	1 / 21.342	1 / 21.807	1 / 22.770	1 / 23.265	- / -	13 / 287.488	
<i>Subtotal: Recurring</i>	- / 137.289	- / 19.783	- / 20.342	- / 20.890	- / -	- / 20.890	- / 21.342	- / 21.807	- / 22.770	- / 23.265	- / -	- / 287.488	
B Kits													
Recurring													
BL Ground Systems:EQUIPMENT Group B (Active)	6 / 37.429	1 / 6.485	1 / 6.686	1 / 6.841	- / -	1 / 6.841	1 / 6.987	1 / 7.176	1 / 7.319	1 / 7.465	- / -	13 / 86.388	
<i>Subtotal: Recurring</i>	- / 37.429	- / 6.485	- / 6.686	- / 6.841	- / -	- / 6.841	- / 6.987	- / 7.176	- / 7.319	- / 7.465	- / -	- / 86.388	
<i>Subtotal: BL Ground Systems</i>	- / 174.718	- / 26.268	- / 27.028	- / 27.731	- / -	- / 27.731	- / 28.329	- / 28.983	- / 30.089	- / 30.730	- / -	- / 373.876	
<i>Subtotal: Procurement, All Modification Items</i>	- / 174.718	- / 26.268	- / 27.028	- / 27.731	- / -	- / 27.731	- / 28.329	- / 28.983	- / 30.089	- / 30.730	- / -	- / 373.876	
<b>Installation</b>													
<i>Modification Item 1 of 1:</i> BL Ground Systems													
	6 / 6.432	1 / 1.091	1 / 1.125	1 / 1.151	- / -	1 / 1.151	1 / 1.176	1 / 1.208	1 / 1.231	1 / 1.256	- / -	13 / 14.670	
<i>Subtotal: Installation</i>	6 / 6.432	1 / 1.091	1 / 1.125	1 / 1.151	- / -	1 / 1.151	1 / 1.176	1 / 1.208	1 / 1.231	1 / 1.256	- / -	13 / 14.670	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>181.150</b>	<b>27.359</b>	<b>28.153</b>	<b>28.882</b>	<b>0.000</b>	<b>28.882</b>	<b>29.505</b>	<b>30.191</b>	<b>31.320</b>	<b>31.986</b>	<b>-</b>	<b>388.546</b>	



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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6						<b>P-1 Line Item Number / Title:</b> 846070 / DARP RC135						<b>Modification Number / Title:</b> 1 / DARP Modification																			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A											<b>MDAP/MAIS Code:</b>																				
<b>Modification Item 1 of 1:</b> BL Ground Systems																															
<b>Manufacturer Information</b>																															
Manufacturer Name: L3Harris Technologies											Manufacturer Location: Greenville, TX																				
Administrative Leadtime (in Months): 2											Production Leadtime (in Months): 6																				
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>																								
Contract Dates	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025	Dec 2026	Dec 2027																								
Delivery Dates	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026	Jun 2027	Jun 2028																								
<b>Installation Information</b>																															
<b>Method of Implementation:</b> Contractor Facility																															
<b>Installation Cost</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	6 / 6.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 6.432																		
FY 2022	- / -	1 / 1.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.091																		
FY 2023	- / -	- / -	1 / 1.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.125																		
FY 2024	- / -	- / -	- / -	1 / 1.151	- / -	1 / 1.151	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.151																		
FY 2025	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.176	- / -	- / -	- / -	- / -	- / -	1 / 1.176																		
FY 2026	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.208	- / -	- / -	- / -	- / -	1 / 1.208																		
FY 2027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.231	- / -	- / -	- / -	1 / 1.231																		
FY 2028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.256	- / -	- / -	1 / 1.256																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	6 / 6.432	1 / 1.091	1 / 1.125	1 / 1.151	- / -	1 / 1.151	1 / 1.176	1 / 1.208	1 / 1.231	1 / 1.256	- / -	13 / 14.670																			
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2022</b>				<b>FY 2023</b>				<b>FY 2024</b>				<b>FY 2025</b>				<b>FY 2026</b>				<b>FY 2027</b>				<b>FY 2028</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	6	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	0	13
Out	6	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	0	13

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305208F, 0305240F	<b>Other Related Program Elements:</b> 0305208F, 0305240F
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	261.070	216.731	129.655	-	129.655	52.464	71.497	111.458	115.120	-	957.995
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	261.070	216.731	129.655	-	129.655	52.464	71.497	111.458	115.120	-	957.995
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>261.070</b>	<b>216.731</b>	<b>129.655</b>	-	<b>129.655</b>	<b>52.464</b>	<b>71.497</b>	<b>111.458</b>	<b>115.120</b>	-	<b>957.995</b>

*(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:**

Air Force Distributed Common Ground System (AF DCGS) (AN/GSQ-272) is the Combat Air Force (CAF) weapon system for planning, direction, collection, processing, exploitation, production, dissemination, and problem centric, sensor-agnostic analysis of data. The AF DCGS weapon system provides capabilities required to connect, direct and exploit sensors and transform multi-source/multi-domain data into actionable intelligence to find, fix, and target adversary forces and enable simultaneous kill chains at the speed and scale of peer conflict. AF DCGS is also a major component of the DoD DCGS, the system is designed to complement and interoperate with the other Services' DCGS systems (Army, Navy and Marine Corps), and a key provider/consumer of the sensing grid and Joint All Domain Command and Control (C2) (JADC2) & Advanced Battle Management System (ABMS) efforts. The AF DCGS mission is to provide Joint Task Force (JTF) Commanders, Joint and Combined Air Component Commanders (JFACC/CFACC), Unified Commands, and other directed organizations with global, time-sensitive Intelligence, Surveillance and Reconnaissance (ISR) data and fused multi-Intelligence (Multi-INT) products across the spectrum of military operations.

AF DCGS is a Multi-INT, federated weapon system capable of exploiting intelligence data from manned platforms, Remotely Piloted Aircraft (RPA), non-traditional ISR platforms, national and commercial satellites and other collection systems. AF DCGS serves as the main "Sense-Making organization within the Air Force ISR Sensing Grid and has access to a multitude of sensors and data across the Intelligence Community, to include Publicly Available Information (PAI). AF DCGS Analysts leverage Artificial Intelligence (AI)/Machine Learning (ML), Automation and Augmentation (AAA) technologies to focus their review/analysis of multi-source/multi-domain intelligence across the tactical/national sensor grid and within federated databases to enable target and problem centric, sensor-agnostic analysis and exploitation to address Joint operational requirements by providing a common means to provide intelligence to field commanders and in support of the Air Operations Center (AOC) mission requirements, and supports sensor to shooter and the kill chain across the full range of military operations. The DCGS analysts use all available data sources and emerging capabilities, including AAA, to enhance their understanding of intelligence/targeting problem sets and provide the required intelligence.

Currently, AF DCGS is composed of eight core sites (two active duty worldwide, three active duty regional and three Air National Guard regional), six SIGINT Distributed Mission Sites (four collocated with National Mission Partner), three Air National Guard full-motion video sites, three support sites, and four integration and test sites connected by robust, resilient communications infrastructure, to support Near-Peer competition/contested environments. AF DCGS currently supports ongoing operations from forward deployed and in-garrison CONUS and OCONUS-based locations. AF DCGS provides integrated ISR by providing quality, fused Geospatial Intelligence (GEOINT), Signals Intelligence (SIGINT), and Measurement and Signature Intelligence (MASINT) tailored to the warfighter for all levels of conflict.

In alignment with DoD and AF direction, AF DCGS migrated to an open architecture paradigm to rapidly incorporate new technologies and tools, new and/or improved sensor capabilities, and mission applications to meet emerging and urgent operational needs. AF DCGS is a critical enabler for the sensing grid/ABMS/JADC2. AF DCGS is also aligned with USD(I&S)'s efforts to improve data sharing through its Common Data Fabric. AF DCGS integrates services and applications from both commercial-off-the-shelf and government-off-the-shelf sources to the maximum extent possible to fulfill operational requirements and data

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects		<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305208F, 0305240F	<b>Other Related Program Elements:</b> 0305208F, 0305240F
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>sharing requirements across the DoD DCGS community. AF DCGS' robust network transport/open, mission assured hybrid-cloud (mix of private on premises and public commercial cloud) architecture enables integration of new/updated enterprise services, near-real time and problem-centric/sensor agnostic analysis and exploitation capes on recurring cadence.</p> <p>Program management consists of four ACAT III efforts: GEOINT Transformation, SIGINT Transformation, Multi-Intelligence, and Network Infrastructure Transformation.</p> <p>1. GEOINT Transformation-1: Rapidly integrates new and updated GEOINT capabilities (Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.</p> <p>2. SIGINT Transformation-1: Rapidly integrates new and updated SIGINT capabilities ((Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.</p> <p>3. Multi-Intelligence-1: Rapidly integrates new and updated enterprise applications ((Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), to include voice and chat communications, collaboration and situational awareness, multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/Machine Learning AI/ML, Automation and Augmentation (AAA)). Also includes the Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT) program, which develops concepts, Tactics/Techniques/ Procedures (TTPs) and technologies for synchronizing ISR and non-kinetic capabilities. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I&amp;S)'s Common Data Fabric (CDF) Initiative. Addresses program office test and evaluation activities.</p> <p>4. Network Infrastructure Transformation-1: Continues to update the AF DCGS network transport and open architecture infrastructure ((Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)) to a cyber-resilient, open, scalable, commercial-based, architecture, improving data ingest, transfer, and storage capabilities, collaboration, and content driven discovery. AF DCGS Platform as a Service (PaaS) consists of a mix of private on-premises and public commercial cloud architecture. AF DCGS leverages Unclassified, Secret and Top Secret Air Force commercial cloud environments. Network infrastructure transformation also handles integration of ground line of sight capabilities supporting ISR airborne platform assets.</p> <p>Detailed information on PE 0305240F, Support to DoD DCGS Enterprise, remains classified and will be provided on a need-to-know basis.</p> <p>Starting in FY 2024, in order to comply with updated financial guidance for agile software development, funding was realigned from Other Procurement, Air Force (OPAF) funds to Research, Development, Test and Evaluation (RDT&amp;E) funds to better account for the program's software intensive focus. This is to comply with DoD FMR 700014 and DAFMAN 65-601V1 guidance for agile software development.</p> <p>Funding for this exhibit Line Item # 846080 is contained in PEs 0305208F and 0305240F.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. This modification supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p> <p>Program Management Administration (PMA): FY24 funding permits the Program Management Office (PMO) to support the fielding and installation of new and developing capabilities. This includes the initial bed down and operability testing, technical interchange meetings, and events incident to fielding both hardware and software products, and maintaining configuration control of fielded products.</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>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF

<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305208F, 0305240F	<b>Other Related Program Elements:</b> 0305208F, 0305240F
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**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / DGS-5 (Hawaii) Upgrade (Reliability & Maintainability)		B		- / -	- / 9.700	- / 7.500	- / 0.000	- / -	- / 0.000
P-3a	2 / GEOINT Transformation (GEOINT) (Reliability & Maintainability)		B		- / -	- / 32.329	- / 29.403	- / 1.400	- / 0.000	- / 1.400
P-3a	3 / Signals Intelligence (SIGINT) (Reliability & Maintainability)		B		- / -	- / 60.141	- / 7.583	- / 1.000	- / 0.000	- / 1.000
P-3a	4 / Multi-Intelligence (Multi-INT) (Reliability & Maintainability)		B		- / -	- / 15.681	- / 46.499	- / 8.834	- / 0.000	- / 8.834
P-3a	5 / Network Infrastructure Transformation (Reliability & Maintainability)		B		- / -	- / 18.445	- / 46.004	- / 45.095	- / 0.000	- / 45.095
P-3a	1 / DCGS-AF (Reliability & Maintainability)		B		- / -	- / 124.774	- / 79.742	- / 73.326	- / 0.000	- / 73.326
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / 261.070	- / 216.731	- / 129.655	- / -	- / 129.655

Exhibits Schedule					FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / DGS-5 (Hawaii) Upgrade (Reliability & Maintainability)		B		- / 0.000	- / 0.000	- / 0.000	- / -	- / -	- / 17.200
P-3a	2 / GEOINT Transformation (GEOINT) (Reliability & Maintainability)		B		- / 0.500	- / 7.397	- / 7.592	- / 7.592	- / -	- / 86.213
P-3a	3 / Signals Intelligence (SIGINT) (Reliability & Maintainability)		B		- / 7.164	- / 7.137	- / 4.570	- / 4.570	- / -	- / 92.165
P-3a	4 / Multi-Intelligence (Multi-INT) (Reliability & Maintainability)		B		- / 4.242	- / 8.500	- / 10.381	- / 10.381	- / -	- / 104.518
P-3a	5 / Network Infrastructure Transformation (Reliability & Maintainability)		B		- / 7.240	- / 18.619	- / 57.956	- / 60.960	- / -	- / 254.319
P-3a	1 / DCGS-AF (Reliability & Maintainability)		B		- / 33.318	- / 29.844	- / 30.959	- / 31.617	- / -	- / 403.580
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / 52.464	- / 71.497	- / 111.458	- / 115.120	- / -	- / 957.995

\*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 sum exactly due to rounding.

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

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 1 / DGS-5 (Hawaii) Upgrade
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	9.700	7.500	0.000	-	0.000	0.000	0.000	0.000	-	-	17.200
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	9.700	7.500	0.000	-	0.000	0.000	0.000	0.000	-	-	17.200
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>9.700</b>	<b>7.500</b>	<b>0.000</b>	-	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	-	<b>17.200</b>

*(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>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding supports the infrastructure and network upgrades necessary to maintain on-going operations at DGS-5 in Hawaii.

**Milestone/Development Status**

Funding supports the infrastructure and network upgrades necessary to maintain on-going operations at DGS-5 in Hawaii and will be completed in the last year of funding.

**UNCLASSIFIED**

**Exhibit P-3a, Individual Modification: PB 2024 Air Force** **Date:** March 2023

**Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 04 / 6 **P-1 Line Item Number / Title:** 846080 / DCGS-AF **Modification Number / Title:** 1 / DGS-5 (Hawaii) Upgrade

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

**Models of Systems Affected:** 0305208 **Modification Type:** Reliability & Maintainability **Related RDT&E PEs:** 0305208F

Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> DGS- 5 HAWAII Upgrade												
B Kits												
Recurring												
DGS- 5 HAWAII Upgrade:EQUIPMENT Group B (Active)	- / -	- / 9.700	- / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.200
<i>Subtotal: Recurring</i>	- / -	- / 9.700	- / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.200
<i>Subtotal: DGS- 5 HAWAII Upgrade</i>	- / -	- / 9.700	- / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.200
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 9.700	- / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.200
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	-	9.700	7.500	0.000	-	0.000	0.000	0.000	0.000	0.000	-	17.200

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 1 / DGS-5 (Hawaii) Upgrade	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> DGS- 5 HAWAII Upgrade							
<b>Manufacturer Information</b>							
Manufacturer Name: VARIOUS				Manufacturer Location: Hawaii			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 2 / GEOINT Transformation (GEOINT)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	32.329	29.403	1.400	0.000	1.400	0.500	7.397	7.592	7.592	-	86.213
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	32.329	29.403	1.400	0.000	1.400	0.500	7.397	7.592	7.592	-	86.213
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>32.329</b>	<b>29.403</b>	<b>1.400</b>	<b>0.000</b>	<b>1.400</b>	<b>0.500</b>	<b>7.397</b>	<b>7.592</b>	<b>7.592</b>	-	<b>86.213</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

GEOINT Transformation-1: Rapidly integrates new and updated GEOINT capabilities (Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2), and new/updated operational analyst capabilities into the open architecture framework. Leverages intelligence community (IC) methods and tools to the maximum extent possible.

**Justification:** FY24 funding will

- Procure, integrate, test and field new and updated GEOINT sensor/sensor mode command and control (C2), mission planning, sensor management, and operational capabilities
- Procure, integrate, test and field new and updated GEOINT-specific High Altitude GEOINT (HA GEOINT) and Full Motion Video (FMV) operational (workflow, exploitation, etc. ) and management capabilities on DCGS private on-premises and/or public commercial cloud architecture

Decrease in OPAF: Starting in FY 2024, in order to comply with updated financial guidance for agile software development, funding was realigned from OPAF funds to RDT&E funds to better account for the program's software intensive focus.

**Milestone/Development Status**

AF DCGS is in the Operations and Sustainment phase of the acquisition lifecycle. The weapon system has reached Full Operational Capability (FOC) and all modifications are being implemented in accordance with AFI 63-101.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6					<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF					<b>Modification Number / Title:</b> 2 / GEOINT Transformation (GEOINT)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> DCGS				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> GEOINT Transformation													
B Kits													
Recurring													
GEOINT Transformation:EQUIPMENT Group B (Active)	- / -	- / 27.872	- / 21.600	- / 0.900	- / -	- / 0.900	- / -	- / 6.588	- / 6.859	- / 6.859	- / -	- / 70.678	
<i>Subtotal: Recurring</i>	- / -	- / 27.872	- / 21.600	- / 0.900	- / -	- / 0.900	- / -	- / 6.588	- / 6.859	- / 6.859	- / -	- / 70.678	
<i>Subtotal: GEOINT Transformation</i>	- / -	- / 27.872	- / 21.600	- / 0.900	- / -	- / 0.900	- / -	- / 6.588	- / 6.859	- / 6.859	- / -	- / 70.678	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 27.872	- / 21.600	- / 0.900	- / -	- / 0.900	- / -	- / 6.588	- / 6.859	- / 6.859	- / -	- / 70.678	
<b>Support (All Modification Items)</b>													
PMA - Other Gov't Costs	- / -	- / 0.062	- / 0.040	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.352	
PMA - Contractor Services	- / -	- / 4.395	- / 7.763	- / 0.450	- / -	- / 0.450	- / 0.450	- / 0.759	- / 0.683	- / 0.683	- / -	- / 15.183	
<i>Subtotal: Support</i>	- / -	- / 4.457	- / 7.803	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.809	- / 0.733	- / 0.733	- / -	- / 15.535	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	<b>32.329</b>	<b>29.403</b>	<b>1.400</b>	<b>0.000</b>	<b>1.400</b>	<b>0.500</b>	<b>7.397</b>	<b>7.592</b>	<b>7.592</b>	-	<b>86.213</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 2 / GEOINT Transformation (GEOINT)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> GEOINT Transformation							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Robins AFB			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

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**Exhibit P-3a, Individual Modification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 3 / Signals Intelligence (SIGINT)
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	60.141	7.583	1.000	0.000	1.000	7.164	7.137	4.570	4.570	-	92.165
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	60.141	7.583	1.000	0.000	1.000	7.164	7.137	4.570	4.570	-	92.165
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>60.141</b>	<b>7.583</b>	<b>1.000</b>	<b>0.000</b>	<b>1.000</b>	<b>7.164</b>	<b>7.137</b>	<b>4.570</b>	<b>4.570</b>	-	<b>92.165</b>

*(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>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

SIGINT Transformation-1: Rapidly integrates new and updated SIGINT capabilities (Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2), and new/updated operational analyst capabilities into the open architecture framework. Leverages intelligence community (IC) methods and tools to the maximum extent possible.

**Justification:** FY24 funding will

- Procure, integrate, test and field new and updated SIGINT sensor/sensor mode command and control (C2), mission planning, sensor management, and operational capabilities
- Procure, integrate, test and field new and updated SIGINT-specific operational (workflow and exploitation) and management capabilities on DCGS private on-premises and Intelligence Community (IC) cloud architecture, as well as integrate new data types into SIGINT Sensor Data Ingest (SSDI)

Decrease in OPAF: Starting in FY 2024, in order to comply with updated financial guidance for agile software development, funding was realigned from OPAF funds to RDT&E funds to better account for the program's software intensive focus.

**Milestone/Development Status**

AF DCGS is in the Operations and Sustainment phase of the acquisition lifecycle. The weapon system has reached FOC and all modifications are being implemented in accordance with AFI 63-101.

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6				<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF						<b>Modification Number / Title:</b> 3 / Signals Intelligence (SIGINT)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> 0305208F				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b> 0305208F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> Signals Intelligence Transformation												
B Kits												
Recurring												
Signals Intelligence Transformation:EQUIPMENT Group B (Active)	- / -	- / 57.111	- / 2.366	0 / 0.950	- / -	0 / 0.950	- / 6.222	- / 6.507	- / 4.000	- / 4.000	- / -	0 / 81.156
<i>Subtotal: Recurring</i>	- / -	- / 57.111	- / 2.366	- / 0.950	- / -	- / 0.950	- / 6.222	- / 6.507	- / 4.000	- / 4.000	- / -	- / 81.156
<i>Subtotal: Signals Intelligence Transformation</i>	- / -	- / 57.111	- / 2.366	- / 0.950	- / -	- / 0.950	- / 6.222	- / 6.507	- / 4.000	- / 4.000	- / -	- / 81.156
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 57.111	- / 2.366	- / 0.950	- / -	- / 0.950	- / 6.222	- / 6.507	- / 4.000	- / 4.000	- / -	- / 81.156
<b>Support (All Modification Items)</b>												
PMA - Contractor Services	- / -	- / 2.948	- / 5.137	- / 0.040	- / -	- / 0.040	- / 0.862	- / 0.550	- / 0.490	- / 0.490	- / -	- / 10.517
PMA - Other Gov't Costs	- / -	- / 0.082	- / 0.080	- / 0.010	- / -	- / 0.010	- / 0.080	- / 0.080	- / 0.080	- / 0.080	- / -	- / 0.492
<i>Subtotal: Support</i>	- / -	- / 3.030	- / 5.217	- / 0.050	- / -	- / 0.050	- / 0.942	- / 0.630	- / 0.570	- / 0.570	- / -	- / 11.009
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	-	60.141	7.583	1.000	0.000	1.000	7.164	7.137	4.570	4.570	-	92.165

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 3 / Signals Intelligence (SIGINT)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 1 of 1:</b> Signals Intelligence Transformation							
<b>Manufacturer Information</b>							
Manufacturer Name: various				Manufacturer Location: various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 4 / Multi-Intelligence (Multi-INT)

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	15.681	46.499	8.834	0.000	8.834	4.242	8.500	10.381	10.381	-	104.518
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	15.681	46.499	8.834	0.000	8.834	4.242	8.500	10.381	10.381	-	104.518
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>15.681</b>	<b>46.499</b>	<b>8.834</b>	<b>0.000</b>	<b>8.834</b>	<b>4.242</b>	<b>8.500</b>	<b>10.381</b>	<b>10.381</b>	-	<b>104.518</b>

*(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>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Multi-INT-1: Multi-Intelligence-1: Rapidly integrates new and updated enterprise applications ((Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)), to include voice and chat communications, collaboration and situational awareness, multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/Machine Learning AI/ML, Automation and Augmentation (AAA)) into the open architecture framework. Also includes the Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT) program, which develops concepts, Tactics/Techniques/Procedures (TTPs) and technologies for synchronizing ISR and non-kinetic capabilities. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I&S)'s Common Data Fabric (CDF) Initiative. Addresses program office test and evaluation activities program.

**Justification:** FY24 funding will:

- Continue fielding of Enterprise Collaboration Voice Capability
- Procure, integrate, test and field new and updated Multi-INT, Artificial Intelligence/Machine Learning, Automation and Augmentation (AAA) and visualization/situational awareness capabilities on DCGS private on-premises and/or public commercial cloud architecture
- Procure and field a commercial off the shelf Uninterrupted Power Supply (UPS) for AF DCGS operating locations
- Procure test support to complete operational test events required by AF directives

Decrease in OPAF: Starting in FY 2024, in order to comply with updated financial guidance for agile software development, funding was realigned from OPAF funds to RDT&E funds to better account for the program's software intensive focus.

**Milestone/Development Status**

AF DCGS is in the Operations and Sustainment phase of the acquisition lifecycle. The weapon system has been declared FOC and all modifications are being implemented in accordance with AFI 63-101.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>											<b>Date: March 2023</b>	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6				<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF				<b>Modification Number / Title:</b> 4 / Multi-Intelligence (Multi-INT)				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>MDAP/MAIS Code:</b>						
<b>Models of Systems Affected:</b> 0305208F				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b>				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1: Multi-Int Upgrades</i>												
B Kits												
Recurring												
Multi-Int Upgrades:EQUIPMENT Group B (Active)	- / -	- / 12.380	- / 39.741	- / 7.241	- / -	- / 7.241	- / 3.300	- / 7.241	- / 9.241	- / 9.241	- / -	- / 88.385
<i>Subtotal: Recurring</i>	- / -	- / 12.380	- / 39.741	- / 7.241	- / -	- / 7.241	- / 3.300	- / 7.241	- / 9.241	- / 9.241	- / -	- / 88.385
<i>Subtotal: Multi-Int Upgrades</i>	- / -	- / 12.380	- / 39.741	- / 7.241	- / -	- / 7.241	- / 3.300	- / 7.241	- / 9.241	- / 9.241	- / -	- / 88.385
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 12.380	- / 39.741	- / 7.241	- / -	- / 7.241	- / 3.300	- / 7.241	- / 9.241	- / 9.241	- / -	- / 88.385
<b>Support (All Modification Items)</b>												
PMA - Other Gov't Costs	- / -	- / 0.050	- / 0.055	- / 0.080	- / -	- / 0.080	- / 0.080	- / 0.080	- / 0.080	- / 0.080	- / -	- / 0.505
PMA - Contractor Services	- / -	- / 3.251	- / 6.703	- / 1.513	- / -	- / 1.513	- / 0.862	- / 1.179	- / 1.060	- / 1.060	- / -	- / 15.628
<i>Subtotal: Support</i>	- / -	- / 3.301	- / 6.758	- / 1.593	- / -	- / 1.593	- / 0.942	- / 1.259	- / 1.140	- / 1.140	- / -	- / 16.133
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	-	<b>15.681</b>	<b>46.499</b>	<b>8.834</b>	<b>0.000</b>	<b>8.834</b>	<b>4.242</b>	<b>8.500</b>	<b>10.381</b>	<b>10.381</b>	-	<b>104.518</b>



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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 4 / Multi-Intelligence (Multi-INT)	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> Multi-Int Upgrades							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 5 / Network Infrastructure Transformation

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	18.445	46.004	45.095	0.000	45.095	7.240	18.619	57.956	60.960	-	254.319
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	18.445	46.004	45.095	0.000	45.095	7.240	18.619	57.956	60.960	-	254.319
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>18.445</b>	<b>46.004</b>	<b>45.095</b>	<b>0.000</b>	<b>45.095</b>	<b>7.240</b>	<b>18.619</b>	<b>57.956</b>	<b>60.960</b>	-	<b>254.319</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Network Infrastructure Transformation-1: Continues to update the AF DCGS network transport and open architecture infrastructure (Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) Hardware and Software, Spares, and Interim Contractor Support (ICS)) to a cyber-resilient, open, scalable, commercial-based, architecture, improving data ingest, transfer, and storage capabilities, collaboration, and content driven discovery. AF DCGS OA Platform as a Service, along with migration to a hub-based architecture and public commercial cloud represents the AF DCGS mission-assured hybrid cloud (mix of private on premises and public commercial cloud) architecture. AF DCGS leverages Unclassified, Secret and Top Secret Air Force commercial cloud environments (DAFCloudWorks). Network infrastructure transformation also handles integration of ground line of sight capabilities supporting ISR airborne platform assets.

**Justification:** FY24 funding will

- Procure, integrate, test and field updates to the DCGS network transport, OA Platform as a Service (PaaS) on-premises and commercial cloud infrastructure, enterprise and core shared services and line of site capability; procure and field any required depot and on-site spares for these systems
- Procure, integrate, test and field AF-mandated cyber security mandates/modifications and fund security assessor support (SCA)
- Procure, integrate, test and field Centralized Management for Releasable Network (CMRN) capabilities

**Milestone/Development Status**

AF DCGS is in the Operations and Sustainment phase of the acquisition lifecycle. The weapon system has reached FOC and all modifications are being implemented in accordance with AFI 63-101.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6					<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF					<b>Modification Number / Title:</b> 5 / Network Infrastructure Transformation				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>							
<b>Models of Systems Affected:</b> 0305208F				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
<b>Procurement</b>														
<i>Modification Item 1 of 1: Network Infrastructure</i>														
B Kits														
Recurring														
Network Infrastructure:EQUIPMENT Group B (Active)	- / -	- / 16.506	- / 40.101	- / 40.545	- / -	- / 40.545	- / 3.295	- / 12.324	- / 52.256	- / 55.260	- / -	- / 220.287		
<i>Subtotal: Recurring</i>	- / -	- / 16.506	- / 40.101	- / 40.545	- / -	- / 40.545	- / 3.295	- / 12.324	- / 52.256	- / 55.260	- / -	- / 220.287		
<i>Subtotal: Network Infrastructure</i>	- / -	- / 16.506	- / 40.101	- / 40.545	- / -	- / 40.545	- / 3.295	- / 12.324	- / 52.256	- / 55.260	- / -	- / 220.287		
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 16.506	- / 40.101	- / 40.545	- / -	- / 40.545	- / 3.295	- / 12.324	- / 52.256	- / 55.260	- / -	- / 220.287		
<b>Support (All Modification Items)</b>														
PMA - Other Gov't Costs	- / -	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.350		
PMA - Contractor Services	- / -	- / 1.889	- / 5.853	- / 4.500	- / -	- / 4.500	- / 3.895	- / 6.245	- / 5.650	- / 5.650	- / -	- / 33.682		
<i>Subtotal: Support</i>	- / -	- / 1.939	- / 5.903	- / 4.550	- / -	- / 4.550	- / 3.945	- / 6.295	- / 5.700	- / 5.700	- / -	- / 34.032		
<b>Installation</b>														
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -		
<b>Total</b>														
<b>Total Cost (Procurement + Support + Installation)</b>	-	<b>18.445</b>	<b>46.004</b>	<b>45.095</b>	<b>0.000</b>	<b>45.095</b>	<b>7.240</b>	<b>18.619</b>	<b>57.956</b>	<b>60.960</b>	-	<b>254.319</b>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 5 / Network Infrastructure Transformation	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B				<b>MDAP/MAIS Code:</b>			
<b>Modification Item 1 of 1:</b> Network Infrastructure							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6	<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF	<b>Modification Number / Title:</b> 1 / DCGS-AF

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	124.774	79.742	73.326	0.000	73.326	33.318	29.844	30.959	31.617	-	403.580
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	124.774	79.742	73.326	0.000	73.326	33.318	29.844	30.959	31.617	-	403.580
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>124.774</b>	<b>79.742</b>	<b>73.326</b>	<b>0.000</b>	<b>73.326</b>	<b>33.318</b>	<b>29.844</b>	<b>30.959</b>	<b>31.617</b>	-	<b>403.580</b>

*(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> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Detailed information on PE 0305240F, Support to DOD DCGS Enterprise remains classified and will be provided on a need-to-know basis.

This modification supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D

Milestone/Development Status

Detailed information on PE 0305240F, Support to DoD DCGS Enterprise remains classified and will be provided on a need-to-know basis.

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<b>Exhibit P-3a, Individual Modification: PB 2024 Air Force</b>										<b>Date: March 2023</b>		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6				<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF						<b>Modification Number / Title:</b> 1 / DCGS-AF		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>					
<b>Models of Systems Affected:</b> 0305240F				<b>Modification Type:</b> Reliability & Maintainability				<b>Related RDT&amp;E PEs:</b> 0305240F				
Financial Plan	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<b>Procurement</b>												
<i>Modification Item 1 of 1:</i> Support to DCGS Enterprise												
B Kits												
Recurring												
Support to DCGS Enterprise:EQUIPMENT Group B (Active)	- / -	- / 124.774	- / 79.742	- / 73.326	- / -	- / 73.326	- / 33.318	- / 29.844	- / 30.959	- / 31.617	- / -	- / 403.580
<i>Subtotal: Recurring</i>	- / -	- / 124.774	- / 79.742	- / 73.326	- / -	- / 73.326	- / 33.318	- / 29.844	- / 30.959	- / 31.617	- / -	- / 403.580
<i>Subtotal: Support to DCGS Enterprise</i>	- / -	- / 124.774	- / 79.742	- / 73.326	- / -	- / 73.326	- / 33.318	- / 29.844	- / 30.959	- / 31.617	- / -	- / 403.580
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 124.774	- / 79.742	- / 73.326	- / -	- / 73.326	- / 33.318	- / 29.844	- / 30.959	- / 31.617	- / -	- / 403.580
<b>Installation</b>												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>												
<b>Total Cost (Procurement + Support + Installation)</b>	-	124.774	79.742	73.326	0.000	73.326	33.318	29.844	30.959	31.617	-	403.580

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<b>Exhibit P-3a, Individual Modification:</b> PB 2024 Air Force						<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 04 / 6			<b>P-1 Line Item Number / Title:</b> 846080 / DCGS-AF			<b>Modification Number / Title:</b> 1 / DCGS-AF	
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>MDAP/MAIS Code:</b>		
<b>Modification Item 1 of 1:</b> Support to DCGS Enterprise							
<b>Manufacturer Information</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
<b>Dates</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
Contract Dates							
Delivery Dates							
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Org/Intermediate					<b>Installation Quantity:</b> 0		

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 04: Other Base Maintenance and Support Equip / BSA 6: Special Support Projects	<b>P-1 Line Item Number / Title:</b> 846510 / Special Update Program
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	934.966	996.499	1,042.833	-	1,042.833	1,020.844	932.380	1,044.910	923.719	-	6,896.151
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	934.966	996.499	1,042.833	-	1,042.833	1,020.844	932.380	1,044.910	923.719	-	6,896.151
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	-	<b>934.966</b>	<b>996.499</b>	<b>1,042.833</b>	-	<b>1,042.833</b>	<b>1,020.844</b>	<b>932.380</b>	<b>1,044.910</b>	<b>923.719</b>	-	<b>6,896.151</b>

*(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 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 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 05: Spares and Repair Parts / BSA 1: Spares And Repair Parts	<b>P-1 Line Item Number / Title:</b> 861350 / Spares and Repair Parts (Cyber)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.978	1.007	1.032	-	1.032	1.055	1.076	1.116	1.141	0.000	7.405
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.978	1.007	1.032	-	1.032	1.055	1.076	1.116	1.141	0.000	7.405
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>0.978</b>	<b>1.007</b>	<b>1.032</b>	<b>-</b>	<b>1.032</b>	<b>1.055</b>	<b>1.076</b>	<b>1.116</b>	<b>1.141</b>	<b>0.000</b>	<b>7.405</b>

*(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:**

This program supports Cyberspace Activities  
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.

**Justification:**

Information Systems Security Program (ISSP): FY24 funding (\$1.032M) is required to support Air and Ground (A&G) and Key Management Enterprise (KME) which supplies crypto devices to all Services/Agencies to meet NSA cybersecurity mandates for warfighter air and ground networks.

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F: Other Procurement, Air Force / BA 05: Spares and Repair Parts / BSA 1: Spares And Repair Parts	<b>P-1 Line Item Number / Title:</b> 861900 / Spares And Repair Parts
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	8.268	20.159	12.628	-	12.628	12.821	12.030	12.484	12.779	0.000	91.169
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	8.268	20.159	12.628	-	12.628	12.821	12.030	12.484	12.779	0.000	91.169
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>8.268</b>	<b>20.159</b>	<b>12.628</b>	<b>-</b>	<b>12.628</b>	<b>12.821</b>	<b>12.030</b>	<b>12.484</b>	<b>12.779</b>	<b>0.000</b>	<b>91.169</b>

*(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:**

FY 2024 funding totals includes \$994K for Overseas Operations Costs budget request.

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.

The following Major Defense Acquisition Programs [MDAP] has funding in this line:

- Air Traffic Control and Landing Systems (ATCALs)
- Combat Training Range Equipment
- Deployable C3
- Expeditionary Airfield Basing Assets
- Information Systems Security Program (ISSP)
- Wide Area Surveillance (WAS)

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**Exhibit P-40, Budget Line Item Justification:** PB 2024 Air Force **Date:** March 2023

**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:** N/A **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-18	Spares and Repair Parts				- / -	- / 8.268	- / 20.159	- / 12.628	- / 0.000	- / 12.628
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 8.268</b>	<b>- / 20.159</b>	<b>- / 12.628</b>	<b>- / -</b>	<b>- / 12.628</b>

Title represents the P-18 Title for Spares.

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

**Justification:**

ATCALs: FY24 funding (0.727M) is required to support the Man-Portable TACAN program.

Combat Training Range Equipment: FY24 funds (0.744M) spare parts and equipment to support fielding of Joint Threat Emitters, Advanced Radar Threat Systems Variants 1 & 2, and Modernization. Spares include, but not limited to replacement components, equipment and parts.

Deployable C3: FY24 funding (2.293M) is required to support initial spares for the Agile Communications Package (ACP). These mission essential spare parts are unique and critical items required to be available for each individual fielding location and are procured utilizing this funding.

Expeditionary Airfield Basing Assets: FY24 Baseline funds (3.408M) mission readiness support kits for War Reserve Material (WRM) Unit Type Codes (UTC). These support kits include necessary components to ensure proper operation of equipment within UTC package. These UTC kits packages, but are not limited to, Power Production, Feeding, Water Production, Billeting, Maintenance Facilities, and HVAC. Also, mission essential spare parts are procured utilizing this funding.

Expeditionary Airfield Basing Assets: FY24 European Defense Initiative (EDI) OCO funds (.994M) mission readiness support kits for War Reserve Material (WRM) Unit Type Codes (UTC). These support kits include necessary components to ensure proper operation of equipment within UTC package. These UTC kits packages, but are not limited to, Power Production, Feeding, Water Production, Billeting, Maintenance Facilities, and HVAC. Also, mission essential spare parts are procured utilizing this funding.

Wide Area Surveillance (WAS): FY24 funding (5.426M) is required to support WAS Stateside Affordable Radar System (STARS) sites and Scorpion sites. These spares and repair parts are uniquely site-specific, critical items required to be completed while the initial manufacturing line is set up form each individual fielding location.

European Defense Initiative (EDI) Overseas Operations Cost increase between FY23 \$0 and FY24 \$994 thousand provides investment funding to procure Pre-Positioned WRM MRSP Kits in order to Set the Theatre and enable OPLAN Execution.

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<b>Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2024 Air Force</b>					<b>Date: March 2023</b>	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3080F / 05 / 1		<b>P-1 Line Item Number / Title:</b> 861900 / Spares And Repair Parts			<b>Title:</b> Spares and Repair Parts	
<b>End Item Line Item Number / Name [MDAP/MAIS]</b>	<b>Prior Years</b> (\$ M)	<b>FY 2022</b> (\$ M)	<b>FY 2023</b> (\$ M)	<b>FY 2024 Base</b> (\$ M)	<b>FY 2024 OCO</b> (\$ M)	<b>FY 2024 Total</b> (\$ M)
<b>Initial</b>						
BA 05 - Spares and Repair Parts						
861900 / Air Traffic Control, Approach, and Landing System (ATCALs)	-	1.307	1.792	0.727	0.000	0.727
861900 / Combat Training Range Equipment	-	1.559	8.094	0.744	0.000	0.744
861900 / Deployable C3 Systems	-	2.111	4.220	2.293	0.000	2.293
861900 / Expeditionary Airfield Basing Assets	-	3.278	2.352	3.408	0.000	3.408
861900 / Wide Area Surveillance Spares	-	0.013	3.701	5.456	0.000	5.456
<b>Subtotal: Initial</b>	-	<b>8.268</b>	<b>20.159</b>	<b>12.628</b>	<b>0.000</b>	<b>12.628</b>
<b>Total Cost (Initial + Replenishment)</b>	-	<b>8.268</b>	<b>20.159</b>	<b>12.628</b>	<b>0.000</b>	<b>12.628</b>

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