

UNCLASSIFIED

**Department of War
Fiscal Year (FY) 2027 Budget Estimates**

April 2026



Air Force

Justification Book Volume 4 of 4

***Research, Development, Test & Evaluation, Air Force
Vol 4***

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Table of Volumes

Budget Activities 1, 2, and 3.....Volume 1

Budget Activities 4 and 5.....Volume 2

Budget Activities 6 and 7.....Volume 3

Budget Activities 7.....Volume 4

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Volume 4 Table of Contents

Comptroller Exhibit R-1..... Volume 4 - v

Master Program Element Table of Contents (by Budget Activity then Line Item Number)..... Volume 4 - xxi

Master Program Element Table of Contents (Alphabetically by Program Element Title)..... Volume 4 - xxxix

OP-8.....Volume 4 - lv

Executive Summary.....Volume 4 - lix

Acronyms..... Volume 4 - lxiii

Exhibit R-2s..... Volume 4 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Department Of War
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

	FY 2025	FY 2026	FY 2026 PL	FY 2026	FY 2027	FY 2027	FY 2027
	Actuals	Discretionary	119-21	Total	Discretionary	Mandatory	Total
<u>Appropriation</u>		Enacted	Spend Plan		Request	Request	
Research, Development, Test and Evaluation, Air Force	47,044,594	50,289,595	6,705,560	56,995,155	73,075,614	1,091,686	74,167,300
Total Research, Development, Test, & Evaluation	47,044,594	50,289,595	6,705,560	56,995,155	73,075,614	1,091,686	74,167,300

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
1	0601102F	Defense Research Sciences	01	324,773	307,645		307,645	296,535		296,535
2	0601103F	University Research Initiatives	01	128,783	99,908		99,908	91,394		91,394
	Basic research			453,556	407,553		407,553	387,929		387,929
3	0602020F	Future AF Capabilities Applied Research	02	65,619	77,367		77,367	44,029		44,029
4	0602022F	University Affiliated Research Center (UARC) - Tactical Autonomy	02	7,924	6,208		6,208			
5	0602102F	Materials	02	176,661	232,193		232,193	139,872		139,872
6	0602201F	Aerospace Vehicle Technologies	02	4,932						
7	0602202F	Human Effectiveness Applied Research	02	130,281	145,285		145,285	103,170		103,170
8	0602203F	Aerospace Systems Technologies	02	330,065	381,094		381,094	397,809		397,809
9	0602204F	Aerospace Sensors	02	183,053	218,973		218,973	164,962		164,962
10	0602212F	Defense Laboratories R&D Projects (10 U.S.C, Sec 2358)	02	97,809						
11	0602298F	Science and Technology Management - Major Headquarters Activities	02	9,662	13,763		13,763	10,285		10,285
12	0602336F	Nuclear Delivery Systems Tech Exploration	02		4,937		4,937	27,031		27,031
13	0602602F	Conventional Munitions	02	136,072	124,433		124,433	130,146		130,146
14	0602605F	Directed Energy Technology	02	92,374	96,154		96,154	91,798		91,798
15	0602788F	Dominant Information Sciences and Methods	02	196,117	295,677		295,677	149,174		149,174
	Applied research			1,430,569	1,596,084		1,596,084	1,258,276		1,258,276
16	0603032F	Future AF Integrated Technology Demos	03	150,643	255,570		255,570	282,004		282,004
17	0603112F	Advanced Materials for Weapon Systems	03	30,035	45,202		45,202	32,808		32,808

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
18	0603199F	Sustainment Science and Technology (S&T)	03	5,358	27,791		27,791	13,277		13,277
19	0603203F	Advanced Aerospace Sensors	03	35,088	69,098		69,098	72,149		72,149
20	0603211F	Aerospace Technology Dev/Demo	03	75,627	264,439		264,439	260,212		260,212
21	0603270F	Electronic Combat Technology	03	34,654						
22	0603273F	Science & Technology for Nuclear Re-entry Systems	03	85,661	141,569		141,569	165,949		165,949
23	0603456F	Human Effectiveness Advanced Technology Development	03	13,549	19,549		19,549	20,338		20,338
24	0603601F	Conventional Weapons Technology	03	117,877	98,569		98,569	131,397		131,397
25	0603605F	Advanced Weapons Technology	03	27,161	16,783		16,783	13,744		13,744
26	0603680F	Manufacturing Technology Program	03	118,087	342,507		342,507	99,908		99,908
27	0603788F	Battlespace Knowledge Development and Demonstration	03	53,512	32,411		32,411	31,938		31,938
28	0604776F	Deployment & Distribution Enterprise R&D	03	19,325	30,263		30,263	29,109		29,109
29	0207412F	Control and Reporting Center (CRC)	03	1,938						
	Advanced technology development			768,515	1,343,751		1,343,751	1,152,833		1,152,833
30	0603036F	Modular Advanced Missile	04					15,099		15,099
31	0603260F	Intelligence Advanced Development	04	3,820	3,901		3,901	4,012		4,012
32	0603677F	In-Transit Visibility (ITV) Modernization	04		10,000		10,000			
33	0603742F	Combat Identification Technology	04	16,790	24,860		24,860	25,888		25,888
34	0603790F	NATO Research and Development	04	2,214	4,532		4,532	2,320		2,320
35	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	106,040	117,120		117,120	72,112		72,112
36	0604001F	NC3 Advanced Concepts	04	5,283	10,762		10,762	14,394		14,394

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
37	0604003F	Advanced Battle Management System (ABMS)	04	595,537	870,876		870,876	1,040,945		1,040,945
38	0604004F	Advanced Engine Development	04	96,470	25,000		25,000			
39	0604005F	NC3 Commercial Development & Prototyping	04	50,702	66,249		66,249	61,355		61,355
40	0604007F	E-7	04	586,729	1,097,263		1,097,263			
41	0604009F	AFWERX	04	62,123	73,499		73,499	3,589		3,589
42	0604010F	Next Generation Adaptive Propulsion	04	489,737	326,010		326,010	513,681		513,681
43	0604015F	Long Range Strike - Bomber	04	2,565,533	2,729,511		2,729,511	2,862,677		2,862,677
44	0604025F	Rapid Defense Experimentation Reserve (RDER)	04	72,448						
45	0604032F	Directed Energy Prototyping	04	1,312						
46	0604033F	Hypersonics Prototyping	04			133,334	133,334	345,769		345,769
47	0604041F	Family of Affordable Mass Missiles (FAMM)	04			285,000	285,000	525,223	51,000	576,223
48	0604060F	NORAD & USNORTHCOM (N&NC) Experimentation	04					39,257		39,257
49	0604183F	Hypersonics Prototyping - Hypersonic Attack Cruise Missile (HACM)	04	452,800	828,075		828,075	806,142		806,142
50	0604257F	Advanced Technology and Sensors	04	15,865	40,779		40,779	38,756		38,756
51	0604288F	Survivable Airborne Operations Center (SAOC)	04	1,559,133						
52	0604317F	Technology Transfer	04	10,151	37,529		37,529	2,196		2,196
53	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	120,184	142,661	154,000	296,661	186,385		186,385
54	0604336F	Nuclear Delivery Systems Prototyping	04	37,709	42,538		42,538	91,550		91,550
55	0604343F	Advanced Tanker Systems	04					13,036		13,036

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
56	0604414F	Cyber Resiliency of Weapon Systems-ACS	04	44,191	45,642		45,642	44,377		44,377
57	0604609F	Requirements Analysis & Concept Maturation	04	12,230	17,264		17,264	57,575		57,575
58	0604668F	Joint Transportation Management System (JTMS)	04	71,552	124,787		124,787	57,802		57,802
59	0604776F	Deployment & Distribution Enterprise R&D	04	4,840	4,996		4,996	5,136		5,136
60	0604858F	Tech Transition Program	04	246,279	159,756	296,000	455,756	166,061		166,061
61	0604860F	Operational Energy and Installation Resilience	04	24,597	81,419	102,000	183,419	61,000		61,000
62	0605057F	Next Generation Air-refueling System	04	6,891	11,874		11,874			
63	0605164F	Air Refueling Capability Modernization	04	13,600						
64	0606004F	Nuclear Enterprise Research & Development	04		94,782		94,782	1,105		1,105
65	0606005F	Digital Transformation Office	04	19,227	73,478		73,478	183,398		183,398
66	0207110F	F-47	04	2,341,899						
67	0207147F	Collaborative Combat Aircraft	04	688,492	150,574	676,750	827,324	1,373,740		1,373,740
68	0207179F	Autonomous Collaborative Platforms	04	48,983	63,471		63,471	57,217		57,217
69	0207420F	Combat Identification	04	1,844	1,689		1,689	1,692		1,692
70	0207448F	C2ISR Tactical Data Link	04	3,383						
71	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	7,809	12,677		12,677	22,335		22,335
72	0207522F	Airbase Air Defense Systems (ABADS)	04	19,273	15,666		15,666	85,305		85,305
73	0207606F	Joint Simulation Environment (JSE)	04	147,368	247,491		247,491	302,801		302,801
74	0208030F	War Reserve Materiel - Ammunition	04	5,042	9,732		9,732	14,663		14,663

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
75	0302060F	Looking Glass Next	04					65,277		65,277
76	0303010F	AF ISR Digital Infrastructure	04	18,733	21,711		21,711	24,455		24,455
77	0305236F	Common Data Link Executive Agent (CDL EA)	04	33,349	32,511		32,511	26,401		26,401
78	0305601F	Mission Partner Environments	04	17,765	36,755		36,755			
79	0305913F	Persistent Surveillance	04					29,325		29,325
80	0701200F	Enterprise Select Class II	04		986		986	949		949
81	0708051F	Rapid Sustainment Modernization (RSM)	04	48,361	45,918		45,918	27,475		27,475
82	0808736F	Special Victim Accountability and Investigation	04	3,023	1,970		1,970	1,652		1,652
83	0808737F	Integrated Primary Prevention	04	5,041	5,096		5,096	4,271		4,271
84	0901410F	Contracting Information Technology System	04	28,088	28,876		28,876	25,815		25,815
85	1206415F	U.S. Space Command Research and Development Support	04	23,553	33,205		33,205	34,719		34,719
	Advanced component development and prototypes			10,735,993	7,773,491	1,647,084	9,420,575	9,338,932	51,000	9,389,932
86	0604200F	Future Advanced Weapon Analysis & Programs	05	8,290	52,398	80,000	132,398	35,142		35,142
87	0604201F	PNT Resiliency, Mods, and Improvements	05	224,017	124,199		124,199	710,780		710,780
88	0604222F	Nuclear Weapons Support	05	68,377	78,326		78,326	86,921		86,921
89	0604270F	Electronic Warfare Development	05	13,648	18,971		18,971	260,233		260,233
90	0604281F	Tactical Data Networks Enterprise	05	76,188	76,418		76,418	110,151		110,151
91	0604287F	Physical Security Equipment	05	7,720	15,005		15,005	8,743		8,743
92	0604288F	Survivable Airborne Operations Center (SAOC)	05		1,801,293	64,500	1,865,793	2,218,921		2,218,921
93	0604602F	Armament/Ordnance Development	05	5,304	7,174		7,174	96,762		96,762

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
94	0604604F	Submunitions	05	3,427	3,502		3,502	3,599		3,599
95	0604617F	Agile Combat Support	05	22,977	23,235		23,235	19,348		19,348
96	0604706F	Life Support Systems	05	23,741	20,302		20,302	21,328		21,328
97	0604735F	Combat Training Ranges	05	154,258	147,587		147,587	132,783		132,783
98	0604932F	Long Range Standoff Weapon	05	579,557	446,889		446,889	565,679		565,679
99	0604933F	ICBM Fuze Modernization	05		3,252		3,252			
100	0605056F	Open Architecture Management	05	40,147	41,422		41,422	43,482		43,482
101	0605223F	Advanced Pilot Training	05	240,513	163,138		163,138	72,174		72,174
102	0605238F	Ground Based Strategic Deterrent EMD	05	1,942,400	2,616,352	2,189,000	4,805,352	4,521,370		4,521,370
103	0605296F	Microelectronics Secure Enclave	05		103,608		103,608	224,664		224,664
104	0101125F	Nuclear Weapons Modernization	05					23,066		23,066
105	0102417F	Over-the-Horizon Backscatter Radar	05	376,997				173,975		173,975
106	0207039F	Cognitive Electromagnetic Warfare	05		23,933		23,933	50,496		50,496
107	0207110F	F-47	05		3,053,053	400,000	3,453,053	5,037,904		5,037,904
108	0207279F	Isolated Personnel Survivability and Recovery	05	9,757	53,948		53,948	16,001		16,001
109	0207328F	Stand In Attack Weapon	05	319,559	252,062		252,062	115,882		115,882
110	0207407F	Electromagnetic Battle Management (EMBM)	05		17,693		17,693	45,322		45,322
111	0207701F	Full Combat Mission Training	05	7,636	10,276		10,276	6,501		6,501
112	0303008F	SATURN	05		4,917		4,917	4,771		4,771
113	0303267F	Auctioned Spectrum Relocation Fund	05	9,695						
114	0303867F	AMBIT - Post-Auctioned SRF	05	19,453						
115	0305155F	Theater Nuclear Weapon Storage & Security System	05	1,936	19,777		19,777			

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
116	0305282F	Joint Fires Network (JFN)	05			311,432	311,432	313,982		313,982
117	0401221F	KC-46A Tanker Squadrons	05	76,296	130,175		130,175	543,788		543,788
118	0401319F	VC-25B	05	419,617	594,557		594,557	555,195		555,195
119	0401334F	Large Aircraft Survivability Systems (LASS)	05					17,996		17,996
120	0701212F	Automated Test Systems	05	20,962	29,925		29,925	15,900		15,900
121	0804772F	Training Developments	05	4,778	8,198		8,198	4,947		4,947
122	1203176F	Combat Survivor Evader Locator	05	983						
System development and demonstration				4,678,233	9,941,585	3,044,932	12,986,517	16,057,806		16,057,806
123	0604256F	Threat Simulator Development	06	17,078	40,935		40,935	44,526		44,526
124	0604759F	Major T&E Investment	06	65,962	157,959		157,959	235,405		235,405
125	0605101F	RAND Project Air Force	06	38,270	31,961		31,961	13,312		13,312
126	0605502F	Small Business Innovation Research	06	904,678						
127	0605712F	Initial Operational Test & Evaluation	06	14,247	13,681		13,681	13,562		13,562
128	0605807F	Test and Evaluation Support	06	936,479	1,113,371		1,113,371	1,802,502		1,802,502
129	0605827F	Acq Workforce- Global Vig & Combat Sys	06	339,924						
130	0605828F	Acq Workforce- Global Reach	06	516,240						
131	0605829F	Acq Workforce- Cyber, Network, & Bus Sys	06	466,068	435,918		435,918	439,592		439,592
132	0605831F	Acq Workforce- Capability Integration	06	305,394	1,153,165		1,153,165	1,206,669		1,206,669
133	0605832F	Acq Workforce- Advanced Prgm Technology	06	68,182						
134	0605833F	Acq Workforce- Nuclear Systems	06	328,180	368,881		368,881	342,650		342,650
135	0605898F	Management HQ - R&D	06	6,541	5,960		5,960	6,209		6,209

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
136	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	94,828	199,363		199,363	367,369		367,369
137	0605978F	Facilities Sustainment - Test and Evaluation Support	06	63,579	91,969		91,969	298,924		298,924
138	0606017F	Requirements Analysis and Maturation	06	30,774	45,786		45,786	21,678		21,678
139	0606398F	Management HQ - T&E	06	8,081	7,417		7,417	7,507		7,507
140	0208201F	Offensive small Unmanned Aircraft Systems (sUAS)	06		4,917	12,000	16,917	30,187		30,187
141	0303255F	Command, Control, Communication, and Computers (C4) - STRATCOM	06	38,161	61,447		61,447	18,068		18,068
142	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	104,232	115,119		115,119	80,342		80,342
143	0702806F	Acquisition and Management Support	06	19,823	25,359		25,359	12,132		12,132
144	0804776F	Advanced Distributed Learning	06	797	1,675		1,675	238		238
145	0901215F	Productivity Investments	06					4,017		4,017
146	0909999F	Financing for Cancelled Account Adjustments	06	787						
147	1001004F	International Activities	06	4,098	4,368		4,368	4,514		4,514
	Management support			4,372,403	3,879,251	12,000	3,891,251	4,949,403		4,949,403
148	0604222F	Nuclear Weapons Support	07					10,029		10,029
149	0604233F	Specialized Undergraduate Flight Training	07	29,132	56,373		56,373	22,071		22,071
150	0604283F	Battle Mgmt Com & Ctrl Sensor Development	07	66,717	47,298		47,298	44,187		44,187
151	0604445F	Wide Area Surveillance	07	20,722						
152	0604840F	F-35 C2D2	07	1,099,328	960,621		960,621	1,128,748	939,586	2,068,334
153	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	48,523	63,172		63,172	31,777		31,777

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
154	0605024F	Anti-Tamper Technology Executive Agency	07	65,434	62,803		62,803	130,610		130,610
155	0605117F	Foreign Materiel Acquisition and Exploitation	07	123,775				4,676		4,676
156	0605229F	HH-60W	07	31,646	40,474		40,474	87,881		87,881
157	0605278F	HC/MC-130 Recap RDT&E	07	43,597	77,079		77,079	34,932		34,932
158	0606018F	NC3 Integration	07	21,289	39,599		39,599	36,521		36,521
159	0101113F	B-52 Squadrons	07	1,019,125	888,158		888,158	1,478,648	101,100	1,579,748
160	0101122F	Air-Launched Cruise Missile (ALCM)	07	527	555		555	570		570
161	0101126F	B-1B Squadrons	07	17,316	150,566		150,566	273,552		273,552
162	0101127F	B-2 Squadrons	07	44,020	72,351		72,351	418,178		418,178
163	0101213F	Minuteman Squadrons	07	57,201	69,110		69,110	79,313		79,313
164	0101316F	Worldwide Joint Strategic Communications	07	13,268	13,364		13,364	44,424		44,424
165	0101318F	Service Support to STRATCOM - Global Strike	07	7,062	6,833		6,833	56,203		56,203
166	0101328F	ICBM Reentry Vehicles	07	378,983	256,758	100,000	356,758	733,182		733,182
168	0102110F	MH-139A	07	14,679	5,900		5,900	7,046		7,046
169	0102326F	Region/Sector Operation Control Center Modernization Program	07	839	722		722	709		709
170	0102417F	Over-the-Horizon Backscatter Radar	07		130,401		130,401			
171	0202834F	Aviation Support Equipment - General	07	6,097	10,733		10,733	1,028		1,028
172	0203345F	Operations Security (OPSEC)	07					45,000		45,000
173	0205219F	MQ-9 UAV	07	6,841	32,600		32,600	16,723		16,723
174	0205671F	Joint Counter RCIED Electronic Warfare	07	3,325	3,382		3,382	2,816		2,816

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
175	0207040F	Multi-Platform Electronic Warfare Equipment	07		7,000		7,000			
176	0207133F	F-16 Squadrons	07	107,714	229,857	82,500	312,357	527,739		527,739
177	0207134F	F-15E Squadrons	07	138,345	229,946		229,946	322,889		322,889
178	0207136F	Manned Destructive Suppression	07	12,119	15,309		15,309	8,128		8,128
179	0207138F	F-22A Squadrons	07	733,581	813,987		813,987	950,375		950,375
180	0207142F	F-35 Squadrons	07	45,444	32,203		32,203	47,388		47,388
181	0207146F	F-15EX	07	54,875	117,715	40,000	157,715	133,274		133,274
182	0207161F	Tactical AIM Missiles	07	33,701	85,449		85,449	98,861		98,861
183	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	51,898	50,539		50,539	53,277		53,277
184	0207172F	Joint Advanced Tactical Missile (JATM)	07		420,110		420,110	500,422		500,422
185	0207227F	Combat Rescue - Pararescue	07	743						
186	0207238F	E-11A	07	29,669	15,035		15,035			
187	0207242F	Special Program Applications	07					35,149		35,149
188	0207247F	AF TENCAP	07	50,263	52,492		52,492	50,913		50,913
189	0207249F	Precision Attack Systems Procurement	07	9,106	13,429		13,429	14,602		14,602
190	0207253F	Compass Call	07	115,978		90,241	90,241	66,514		66,514
191	0207268F	Aircraft Engine Component Improvement Program	07	58,429	64,073		64,073	205,938		205,938
192	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	190,710	226,116	200,000	426,116	133,092		133,092
193	0207327F	Small Diameter Bomb (SDB)	07	29,047	24,575		24,575	25,497		25,497
194	0207410F	Air & Space Operations Center (AOC)	07	63,091	99,217		99,217	158,871		158,871
195	0207412F	Control and Reporting Center (CRC)	07	16,441	17,407		17,407	18,137		18,137

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
196	0207418F	AFSPECWAR - TACP	07	1,380				5,206		5,206
198	0207431F	Combat Air Intelligence System Activities	07	25,049	35,646		35,646	33,700		33,700
199	0207438F	Theater Battle Management (TBM) C4I	07	4,249	6,698		6,698	7,014		7,014
200	0207439F	Electromagnetic Warfare Int Reprog (EWIR)	07	13,081	38,639		38,639	73,523		73,523
201	0207444F	Tactical Air Control Party-Mod	07	11,816						
202	0207452F	DCAPES	07	8,154	8,390		8,390	5,254		5,254
203	0207457F	Air Force Special Warfare (SPECWAR)	07		27,149		27,149	24,423		24,423
204	0207461F	Flight Operations Systems	07					15,978		15,978
205	0207521F	Air Force Calibration Programs	07	2,213	2,242		2,242	2,220		2,220
206	0207573F	National Technical Nuclear Forensics	07	1,984						
207	0207590F	Seek Eagle	07	34,982	33,706		33,706	36,710		36,710
208	0207611F	Readiness Decision Support Enterprise	07		8,758		8,758	6,823		6,823
209	0207697F	Distributed Training and Exercises	07	3,826	4,342	10,000	14,342	83,659		83,659
210	0207701F	Full Combat Mission Training	07	3,808	7,985		7,985	6,644		6,644
211	0208006F	Mission Planning Systems	07	78,113	123,103		123,103	122,175		122,175
212	0208007F	Tactical Deception	07	519	13,523		13,523	48,857		48,857
213	0208087F	Distributed Cyber Warfare Operations	07	28,792	30,893		30,893	71,868		71,868
214	0208088F	AF Defensive Cyberspace Operations	07	83,231	121,433		121,433	76,758		76,758
218	0208288F	Intel Data Applications	07	988	1,012		1,012	7,511		7,511
219	0301025F	GeoBase	07		985		985	403		403

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
220	0301113F	Cyber Security Intelligence Support	07	18,141	14,749		14,749			
226	0301377F	Countering Advanced Conventional Weapons (CACW)	07	834	1,117		1,117	1,343		1,343
228	0301401F	AF Multi-Domain Non-Traditional ISR Battlespace Awareness	07	3,006	2,987		2,987	2,754		2,754
229	0302015F	E-4B National Airborne Operations Center (NAOC)	07	52,362	55,095		55,095	50,873		50,873
230	0302315F	Non-Kinetic Countermeasure Support	07	7,590	7,006		7,006	4,024		4,024
231	0303004F	EIT CONNECT	07	15,531						
232	0303089F	Cyberspace and DoDIN Operations	07	9,432	9,955		9,955			
233	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	24,763	98,548		98,548	254,837		254,837
234	0303133F	High Frequency Radio Systems	07	8,423	19,709		19,709	33,215		33,215
235	0303140F	Information Systems Security Program	07	98,150	101,551		101,551	117,658		117,658
236	0303248F	All Domain Common Platform	07	86,301	75,711		75,711	71,312		71,312
237	0303260F	Joint Military Deception Initiative	07	6,557	351		351			
238	0304100F	Strategic Mission Planning & Execution System (SMPES)	07	67,385	74,236		74,236	89,663		89,663
239	0304109F	THRESHER	07		103		103	109		109
242	0304260F	Airborne SIGINT Enterprise	07	92,473	98,650		98,650	98,319		98,319
243	0304310F	Commercial Economic Analysis	07	4,546	4,070		4,070	1,713		1,713
246	0304784F	Long Endurance - Airborne ISR	07			23,000	23,000	16,570		16,570
247	0305015F	C2 Air Operations Suite - C2 Info Services	07	15,742						
248	0305020F	CCMD Intelligence Information Technology	07	1,836	1,547		1,547			

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
249	0305022F	ISR Modernization & Automation Dvmt (IMAD)	07	19,409	22,237		22,237	16,188		16,188
250	0305099F	Global Air Traffic Management (GATM)	07	4,505	4,222		4,222	4,210		4,210
251	0305103F	Cyber Security Initiative	07	292	305		305	318		318
252	0305111F	Weather Service	07	39,438	50,129		50,129	29,331		29,331
253	0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	07	14,689	27,064		27,064	61,895		61,895
254	0305116F	Aerial Targets	07	5,870	5,011		5,011	1,704		1,704
257	0305128F	Security and Investigative Activities	07	463	7,855		7,855	9,642		9,642
258	0305146F	Defense Joint Counterintelligence Activities	07	6,387	6,524		6,524	2,469		2,469
259	0305155F	Theater Nuclear Weapon Storage & Security System	07					24,364		24,364
260	0305158F	Tactical Terminal	07	482	1,084		1,084			
261	0305179F	Integrated Broadcast Service (IBS)	07	15,006	19,085		19,085	18,266		18,266
262	0305206F	Airborne Reconnaissance Systems	07	115,637	65,432		65,432	34,273		34,273
263	0305207F	Manned Reconnaissance Systems	07	18,323	28,733		28,733	17,114		17,114
264	0305208F	Distributed Common Ground/Surface Systems	07	99,749	81,033		81,033	85,365		85,365
265	0305220F	RQ-4 UAV	07	6,171						
266	0305221F	Network-Centric Collaborative Targeting	07	9,952	12,019		12,019	9,146		9,146
267	0305238F	NATO AGS	07	865	816		816			
268	0305240F	ISR Transport and Processing	07	33,432	32,578		32,578	312,037		312,037
269	0305249F	AF JWICS Enterprise	07	9,445	13,404		13,404	19,324		19,324
270	0305600F	International Intelligence Technology and Architectures	07	17,784	18,946		18,946	62,000		62,000

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
271	0305836F	C2IMERA	07		13,690		13,690	11,393		11,393
272	0305903F	COCOM Mobile Command and Control Centers (MCCCs)	07		3,961		3,961	2,013		2,013
273	0305984F	Personnel Recovery Command & Ctrl (PRC2)	07	3,272	2,851		2,851	1,783		1,783
274	0307577F	Intelligence Mission Data (IMD)	07	3,658	18,000		18,000	3,151		3,151
275	0401119F	C-5 Airlift Squadrons (IF)	07	25,825	33,320		33,320	76,233		76,233
276	0401130F	C-17 Aircraft (IF)	07	11,874	103,465	4,410	107,875	178,130		178,130
277	0401132F	C-130J Program	07	34,261	18,684		18,684	16,628		16,628
278	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	7,484	40,955		40,955	12,323		12,323
279	0401218F	KC-135s	07	9,678		43,000	43,000	121,742		121,742
280	0401318F	CV-22	07	25,549	31,544		31,544	45,699		45,699
281	0401334F	Large Aircraft Survivability Systems (LASS)	07					50,111		50,111
282	0408011F	Special Tactics / Combat Control	07	9,146	28,200	10,000	38,200			
283	0708610F	Logistics Information Technology (LOGIT)	07	11,665	18,326		18,326	21,518		21,518
284	0801380F	AF LVC Operational Training (LVC-OT)	07	23,987	33,478		33,478	23,472		23,472
285	0804743F	Other Flight Training	07	1,116	2,338		2,338	1,950		1,950
286	0901202F	Joint Personnel Recovery Agency	07	2,235	2,051		2,051	2,035		2,035
287	0901218F	Civilian Compensation Program	07	4,267	4,355		4,355	4,248		4,248
288	0901220F	Personnel Administration	07	3,557	2,728		2,728	2,678		2,678
289	0901226F	Air Force Studies and Analysis Agency	07	9,578	14,559		14,559	81,252		81,252
290	0901231F	Counterdrug Support - HQ USAF	07	4,789						

UNCLASSIFIED

Department of the Air Force
FY 2027 President's Budget
Exhibit R-1
Total Obligation Authority
(Dollars in Thousands)

Appropriation: 3600F Research, Development, Test and Evaluation, Air Force

Line No	Program Element Number	Item	Act	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
291	0901538F	Financial Management Information Systems Development	07	5,428	3,927		3,927	3,316		3,316
292	0901554F	Defense Enterprise Acntng and Mgt Sys (DEAMS)	07	55,836	38,408	20,000	58,408	38,301		38,301
293	1201921F	Service Support to STRATCOM - Space Activities	07		330		330	700		700
999	999999999	Classified Programs	07	18,258,364	18,003,033	1,378,393	19,381,426	29,113,107		29,113,107
	Operational system development			24,605,325	25,347,880	2,001,544	27,349,424	39,930,435	1,040,686	40,971,121
Total Research, Development, Test and Evaluation, Air Force				47,044,594	50,289,595	6,705,560	56,995,155	73,075,614	1,091,686	74,167,300

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Master Program Element Table of Contents (by Budget Activity then Line Item Number)

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
1	01	0601102F	Defense Research Sciences.....	Volume 1 - 1
2	01	0601103F	University Research Initiatives.....	Volume 1 - 21

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
3	02	0602020F	Future AF Capabilities Applied Research.....	Volume 1 - 27
4	02	0602022F	University Affiliated Research Center (UARC) - Tactical Autonomy.....	Volume 1 - 33
5	02	0602102F	Materials.....	Volume 1 - 37
6	02	0602201F	Aerospace Vehicle Technologies.....	Volume 1 - 61
7	02	0602202F	Human Effectiveness Applied Research.....	Volume 1 - 65
8	02	0602203F	Aerospace Systems Technologies.....	Volume 1 - 89
9	02	0602204F	Aerospace Sensors.....	Volume 1 - 143
10	02	0602212F	Defense Laboratories R&D Projects (10 U.S.C, Sec 2358).....	Volume 1 - 173

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
11	02	0602298F	Science and Technology Management - Major Headquarters Activities.....	Volume 1 - 177
12	02	0602336F	Nuclear Delivery Systems Tech Exploration.....	Volume 1 - 181
13	02	0602602F	Conventional Munitions.....	Volume 1 - 189
14	02	0602605F	Directed Energy Technology.....	Volume 1 - 207
15	02	0602788F	Dominant Information Sciences and Methods.....	Volume 1 - 217

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
16	03	0603032F	Future AF Integrated Technology Demos.....	Volume 1 - 233
17	03	0603112F	Advanced Materials for Weapon Systems.....	Volume 1 - 251
18	03	0603199F	Sustainment Science and Technology (S&T).....	Volume 1 - 267
19	03	0603203F	Advanced Aerospace Sensors.....	Volume 1 - 273
20	03	0603211F	Aerospace Technology Dev/Demo.....	Volume 1 - 285
21	03	0603270F	Electronic Combat Technology.....	Volume 1 - 315
22	03	0603273F	Science & Technology for Nuclear Re-entry Systems.....	Volume 1 - 321
23	03	0603456F	Human Effectiveness Advanced Technology Development.....	Volume 1 - 331

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
24	03	0603601F	Conventional Weapons Technology.....	Volume 1 - 349
25	03	0603605F	Advanced Weapons Technology.....	Volume 1 - 365
26	03	0603680F	Manufacturing Technology Program.....	Volume 1 - 375
27	03	0603788F	Battlespace Knowledge Development and Demonstration.....	Volume 1 - 389
28	03	0604776F	Deployment & Distribution Enterprise R&D.....	Volume 1 - 403
29	03	0207412F	Control and Reporting Center (CRC).....	Volume 1 - 421

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
30	04	0603036F	Modular Advanced Missile.....	Volume 2 - 1
31	04	0603260F	Intelligence Advanced Development.....	Volume 2 - 7
32	04	0603677F	In-Transit Visibility (ITV) Modernization.....	Volume 2 - 19
33	04	0603742F	Combat Identification Technology.....	Volume 2 - 25
34	04	0603790F	NATO Research and Development.....	Volume 2 - 47
35	04	0603851F	Intercontinental Ballistic Missile - Dem/Val.....	Volume 2 - 53
36	04	0604001F	NC3 Advanced Concepts.....	Volume 2 - 79

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
37	04	0604003F	Advanced Battle Management System (ABMS).....	Volume 2 - 87
38	04	0604004F	Advanced Engine Development.....	Volume 2 - 111
39	04	0604005F	NC3 Commercial Development & Prototyping.....	Volume 2 - 119
40	04	0604007F	E-7.....	Volume 2 - 127
41	04	0604009F	AFWERX.....	Volume 2 - 135
42	04	0604010F	Next Generation Adaptive Propulsion.....	Volume 2 - 151
43	04	0604015F	Long Range Strike - Bomber.....	Volume 2 - 159
44	04	0604025F	Rapid Defense Experimentation Reserve (RDER).....	Volume 2 - 171
45	04	0604032F	Directed Energy Prototyping.....	Volume 2 - 177
46	04	0604033F	Hypersonics Prototyping.....	Volume 2 - 183
47	04	0604041F	Family of Affordable Mass Missiles (FAMM).....	Volume 2 - 193
48	04	0604060F	NORAD & USNORTHCOM (N&NC) Experimentation.....	Volume 2 - 201
49	04	0604183F	Hypersonics Prototyping - Hypersonic Attack Cruise Missile (HACM).....	Volume 2 - 207
50	04	0604257F	Advanced Technology and Sensors.....	Volume 2 - 215
51	04	0604288F	Survivable Airborne Operations Center (SAOC).....	Volume 2 - 229
52	04	0604317F	Technology Transfer.....	Volume 2 - 237
53	04	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program.....	Volume 2 - 245
54	04	0604336F	Nuclear Delivery Systems Prototyping.....	Volume 2 - 253

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
55	04	0604343F	Advanced Tanker Systems.....	Volume 2 - 261
56	04	0604414F	Cyber Resiliency of Weapon Systems-ACS.....	Volume 2 - 269
57	04	0604609F	Requirements Analysis & Concept Maturation.....	Volume 2 - 289
58	04	0604668F	Joint Transportation Management System (JTMS).....	Volume 2 - 309
59	04	0604776F	Deployment & Distribution Enterprise R&D.....	Volume 2 - 317
60	04	0604858F	Tech Transition Program.....	Volume 2 - 329
61	04	0604860F	Operational Energy and Installation Resilience.....	Volume 2 - 363
62	04	0605057F	Next Generation Air-refueling System.....	Volume 2 - 381
63	04	0605164F	Air Refueling Capability Modernization.....	Volume 2 - 387
64	04	0606004F	Nuclear Enterprise Research & Development.....	Volume 2 - 393
65	04	0606005F	Digital Transformation Office.....	Volume 2 - 401
66	04	0207110F	F-47.....	Volume 2 - 413
67	04	0207147F	Collaborative Combat Aircraft.....	Volume 2 - 421
68	04	0207179F	Autonomous Collaborative Platforms.....	Volume 2 - 429
69	04	0207420F	Combat Identification.....	Volume 2 - 441
70	04	0207448F	C2ISR Tactical Data Link.....	Volume 2 - 447
71	04	0207455F	Three Dimensional Long-Range Radar (3DELRR).....	Volume 2 - 453
72	04	0207522F	Airbase Air Defense Systems (ABADS).....	Volume 2 - 461

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
73	04	0207606F	Joint Simulation Environment (JSE).....	Volume 2 - 473
74	04	0208030F	War Reserve Materiel - Ammunition.....	Volume 2 - 483
75	04	0302060F	Looking Glass Next.....	Volume 2 - 491
76	04	0303010F	AF ISR Digital Infrastructure.....	Volume 2 - 499
77	04	0305236F	Common Data Link Executive Agent (CDL EA).....	Volume 2 - 513
78	04	0305601F	Mission Partner Environments.....	Volume 2 - 525
79	04	0305913F	Persistent Surveillance.....	Volume 2 - 531
80	04	0701200F	Enterprise Select Class II.....	Volume 2 - 537
81	04	0708051F	Rapid Sustainment Modernization (RSM).....	Volume 2 - 543
82	04	0808736F	Special Victim Accountability and Investigation.....	Volume 2 - 553
83	04	0808737F	Integrated Primary Prevention.....	Volume 2 - 561
84	04	0901410F	Contracting Information Technology System.....	Volume 2 - 571
85	04	1206415F	U.S. Space Command Research and Development Support.....	Volume 2 - 581

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
86	05	0604200F	Future Advanced Weapon Analysis & Programs.....	Volume 2 - 593
87	05	0604201F	PNT Resiliency, Mods, and Improvements.....	Volume 2 - 603
88	05	0604222F	Nuclear Weapons Support.....	Volume 2 - 619
89	05	0604270F	Electronic Warfare Development.....	Volume 2 - 645
90	05	0604281F	Tactical Data Networks Enterprise.....	Volume 2 - 677
91	05	0604287F	Physical Security Equipment.....	Volume 2 - 693
92	05	0604288F	Survivable Airborne Operations Center (SAOC).....	Volume 2 - 701
93	05	0604602F	Armament/Ordnance Development.....	Volume 2 - 711
94	05	0604604F	Submunitions.....	Volume 2 - 727
95	05	0604617F	Agile Combat Support.....	Volume 2 - 735
96	05	0604706F	Life Support Systems.....	Volume 2 - 753
97	05	0604735F	Combat Training Ranges.....	Volume 2 - 761
98	05	0604932F	Long Range Standoff Weapon.....	Volume 2 - 775
99	05	0604933F	ICBM Fuze Modernization.....	Volume 2 - 793
100	05	0605056F	Open Architecture Management.....	Volume 2 - 801
101	05	0605223F	Advanced Pilot Training.....	Volume 2 - 809

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
102	05	0605238F	Ground Based Strategic Deterrent EMD.....	Volume 2 - 817
103	05	0605296F	Microelectronics Secure Enclave.....	Volume 2 - 839
104	05	0101125F	Nuclear Weapons Modernization.....	Volume 2 - 847
105	05	0102417F	Over-the-Horizon Backscatter Radar.....	Volume 2 - 863
106	05	0207039F	Cognitive Electromagnetic Warfare.....	Volume 2 - 879
107	05	0207110F	F-47.....	Volume 2 - 887
108	05	0207279F	Isolated Personnel Survivability and Recovery.....	Volume 2 - 895
109	05	0207328F	Stand In Attack Weapon.....	Volume 2 - 911
110	05	0207407F	Electromagnetic Battle Management (EMBM).....	Volume 2 - 921
111	05	0207701F	Full Combat Mission Training.....	Volume 2 - 929
112	05	0303008F	SATURN.....	Volume 2 - 939
113	05	0303267F	Auctioned Spectrum Relocation Fund.....	Volume 2 - 953
114	05	0303867F	AMBIT - Post-Auctioned SRF.....	Volume 2 - 959
115	05	0305155F	Theater Nuclear Weapon Storage & Security System.....	Volume 2 - 965
116	05	0305282F	Joint Fires Network (JFN).....	Volume 2 - 973
117	05	0401221F	KC-46A Tanker Squadrons.....	Volume 2 - 979
118	05	0401319F	VC-25B.....	Volume 2 - 1005
119	05	0401334F	Large Aircraft Survivability Systems (LASS).....	Volume 2 - 1013

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
120	05	0701212F	Automated Test Systems.....	Volume 2 - 1019
121	05	0804772F	Training Developments.....	Volume 2 - 1037
122	05	1203176F	Combat Survivor Evader Locator.....	Volume 2 - 1045

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
123	06	0604256F	Threat Simulator Development.....	Volume 3 - 1
124	06	0604759F	Major T&E Investment.....	Volume 3 - 11
125	06	0605101F	RAND Project Air Force.....	Volume 3 - 19
126	06	0605502F	Small Business Innovation Research.....	Volume 3 - 23
127	06	0605712F	Initial Operational Test & Evaluation.....	Volume 3 - 27
128	06	0605807F	Test and Evaluation Support.....	Volume 3 - 33
129	06	0605827F	Acq Workforce- Global Vig & Combat Sys.....	Volume 3 - 43
130	06	0605828F	Acq Workforce- Global Reach.....	Volume 3 - 47
131	06	0605829F	Acq Workforce- Cyber, Network, & Bus Sys.....	Volume 3 - 53
132	06	0605831F	Acq Workforce- Capability Integration.....	Volume 3 - 59

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
133	06	0605832F	Acq Workforce- Advanced Prgm Technology.....	Volume 3 - 73
134	06	0605833F	Acq Workforce- Nuclear Systems.....	Volume 3 - 77
135	06	0605898F	Management HQ - R&D.....	Volume 3 - 81
136	06	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support.....	Volume 3 - 85
137	06	0605978F	Facilities Sustainment - Test and Evaluation Support.....	Volume 3 - 89
138	06	0606017F	Requirements Analysis and Maturation.....	Volume 3 - 95
139	06	0606398F	Management HQ - T&E.....	Volume 3 - 107
140	06	0208201F	Offensive small Unmanned Aircraft Systems (sUAS).....	Volume 3 - 111
141	06	0303255F	Command, Control, Communication, and Computers (C4) - STRATCOM.....	Volume 3 - 115
142	06	0308602F	ENTEPRISE INFORMATION SERVICES (EIS).....	Volume 3 - 121
143	06	0702806F	Acquisition and Management Support.....	Volume 3 - 129
144	06	0804776F	Advanced Distributed Learning.....	Volume 3 - 137
145	06	0901215F	Productivity Investments.....	Volume 3 - 139
146	06	0909999F	Financing for Cancelled Account Adjustments.....	Volume 3 - 143
147	06	1001004F	International Activities.....	Volume 3 - 145

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
148	07	0604222F	Nuclear Weapons Support.....	Volume 3 - 149
149	07	0604233F	Specialized Undergraduate Flight Training.....	Volume 3 - 155
150	07	0604283F	Battle Mgmt Com & Ctrl Sensor Development.....	Volume 3 - 175
151	07	0604445F	Wide Area Surveillance.....	Volume 3 - 183
152	07	0604840F	F-35 C2D2.....	Volume 3 - 189
153	07	0605018F	AF Integrated Personnel and Pay System (AF-IPPS).....	Volume 3 - 269
154	07	0605024F	Anti-Tamper Technology Executive Agency.....	Volume 3 - 279
155	07	0605117F	Foreign Materiel Acquisition and Exploitation.....	Volume 3 - 287
156	07	0605229F	HH-60W.....	Volume 3 - 295
157	07	0605278F	HC/MC-130 Recap RDT&E.....	Volume 3 - 323
158	07	0606018F	NC3 Integration.....	Volume 3 - 341
159	07	0101113F	B-52 Squadrons.....	Volume 3 - 351
160	07	0101122F	Air-Launched Cruise Missile (ALCM).....	Volume 3 - 421
161	07	0101126F	B-1B Squadrons.....	Volume 3 - 427
162	07	0101127F	B-2 Squadrons.....	Volume 3 - 449
163	07	0101213F	Minuteman Squadrons.....	Volume 3 - 471

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
164	07	0101316F	Worldwide Joint Strategic Communications.....	Volume 3 - 503
165	07	0101318F	Service Support to STRATCOM - Global Strike.....	Volume 3 - 511
166	07	0101328F	ICBM Reentry Vehicles.....	Volume 3 - 519
168	07	0102110F	MH-139A.....	Volume 3 - 541
169	07	0102326F	Region/Sector Operation Control Center Modernization Program.....	Volume 3 - 551
170	07	0102417F	Over-the-Horizon Backscatter Radar.....	Volume 3 - 557
171	07	0202834F	Aviation Support Equipment - General.....	Volume 3 - 565
172	07	0203345F	Operations Security (OPSEC).....	Volume 3 - 573
173	07	0205219F	MQ-9 UAV.....	Volume 3 - 581
174	07	0205671F	Joint Counter RCIED Electronic Warfare.....	Volume 3 - 601
175	07	0207040F	Multi-Platform Electronic Warfare Equipment.....	Volume 3 - 607
176	07	0207133F	F-16 Squadrons.....	Volume 3 - 613
177	07	0207134F	F-15E Squadrons.....	Volume 3 - 633
178	07	0207136F	Manned Destructive Suppression.....	Volume 3 - 645
179	07	0207138F	F-22A Squadrons.....	Volume 3 - 653
180	07	0207142F	F-35 Squadrons.....	Volume 3 - 673
181	07	0207146F	F-15EX.....	Volume 3 - 689
182	07	0207161F	Tactical AIM Missiles.....	Volume 3 - 699

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
183	07	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM).....	Volume 3 - 709
184	07	0207172F	Joint Advanced Tactical Missile (JATM).....	Volume 3 - 719
185	07	0207227F	Combat Rescue - Pararescue.....	Volume 3 - 725
186	07	0207238F	E-11A.....	Volume 3 - 731
187	07	0207242F	Special Program Applications.....	Volume 3 - 745
188	07	0207247F	AF TENCAP.....	Volume 3 - 747
189	07	0207249F	Precision Attack Systems Procurement.....	Volume 3 - 755
190	07	0207253F	Compass Call.....	Volume 3 - 761
191	07	0207268F	Aircraft Engine Component Improvement Program.....	Volume 3 - 777
192	07	0207325F	Joint Air-to-Surface Standoff Missile (JASSM).....	Volume 3 - 793
193	07	0207327F	Small Diameter Bomb (SDB).....	Volume 3 - 803
194	07	0207410F	Air & Space Operations Center (AOC).....	Volume 3 - 813
195	07	0207412F	Control and Reporting Center (CRC).....	Volume 4 - 1
196	07	0207418F	AFSPECWAR - TACP.....	Volume 4 - 9
198	07	0207431F	Combat Air Intelligence System Activities.....	Volume 4 - 17
199	07	0207438F	Theater Battle Management (TBM) C4I.....	Volume 4 - 33
200	07	0207439F	Electromagnetic Warfare Int Reprog (EWIR).....	Volume 4 - 39
201	07	0207444F	Tactical Air Control Party-Mod.....	Volume 4 - 61

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
202	07	0207452F	DCAPES.....	Volume 4 - 71
203	07	0207457F	Air Force Special Warfare (SPECWAR).....	Volume 4 - 81
204	07	0207461F	Flight Operations Systems.....	Volume 4 - 113
205	07	0207521F	Air Force Calibration Programs.....	Volume 4 - 121
206	07	0207573F	National Technical Nuclear Forensics.....	Volume 4 - 129
207	07	0207590F	Seek Eagle.....	Volume 4 - 135
208	07	0207611F	Readiness Decision Support Enterprise.....	Volume 4 - 145
209	07	0207697F	Distributed Training and Exercises.....	Volume 4 - 151
210	07	0207701F	Full Combat Mission Training.....	Volume 4 - 157
211	07	0208006F	Mission Planning Systems.....	Volume 4 - 167
212	07	0208007F	Tactical Deception.....	Volume 4 - 187
213	07	0208087F	Distributed Cyber Warfare Operations.....	Volume 4 - 195
214	07	0208088F	AF Defensive Cyberspace Operations.....	Volume 4 - 203
218	07	0208288F	Intel Data Applications.....	Volume 4 - 221
219	07	0301025F	GeoBase.....	Volume 4 - 227
220	07	0301113F	Cyber Security Intelligence Support.....	Volume 4 - 233
226	07	0301377F	Countering Advanced Conventional Weapons (CACW).....	Volume 4 - 239
228	07	0301401F	AF Multi-Domain Non-Traditional ISR Battlespace Awareness.....	Volume 4 - 245

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
229	07	0302015F	E-4B National Airborne Operations Center (NAOC).....	Volume 4 - 251
230	07	0302315F	Non-Kinetic Countermeasure Support.....	Volume 4 - 259
231	07	0303004F	EIT CONNECT.....	Volume 4 - 265
232	07	0303089F	Cyberspace and DoDIN Operations.....	Volume 4 - 271
233	07	0303131F	Minimum Essential Emergency Communications Network (MEECN).....	Volume 4 - 277
234	07	0303133F	High Frequency Radio Systems.....	Volume 4 - 331
235	07	0303140F	Information Systems Security Program.....	Volume 4 - 343
236	07	0303248F	All Domain Common Platform.....	Volume 4 - 357
237	07	0303260F	Joint Military Deception Initiative.....	Volume 4 - 365
238	07	0304100F	Strategic Mission Planning & Execution System (SMPES).....	Volume 4 - 371
239	07	0304109F	THRESHER.....	Volume 4 - 387
242	07	0304260F	Airborne SIGINT Enterprise.....	Volume 4 - 393
243	07	0304310F	Commercial Economic Analysis.....	Volume 4 - 419
246	07	0304784F	Long Endurance - Airborne ISR.....	Volume 4 - 425
247	07	0305015F	C2 Air Operations Suite - C2 Info Services.....	Volume 4 - 433
248	07	0305020F	CCMD Intelligence Information Technology.....	Volume 4 - 439
249	07	0305022F	ISR Modernization & Automation Dvmt (IMAD).....	Volume 4 - 445
250	07	0305099F	Global Air Traffic Management (GATM).....	Volume 4 - 457

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
251	07	0305103F	Cyber Security Initiative.....	Volume 4 - 465
252	07	0305111F	Weather Service.....	Volume 4 - 471
253	07	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs).....	Volume 4 - 485
254	07	0305116F	Aerial Targets.....	Volume 4 - 499
257	07	0305128F	Security and Investigative Activities.....	Volume 4 - 507
258	07	0305146F	Defense Joint Counterintelligence Activities.....	Volume 4 - 513
259	07	0305155F	Theater Nuclear Weapon Storage & Security System.....	Volume 4 - 519
260	07	0305158F	Tactical Terminal.....	Volume 4 - 525
261	07	0305179F	Integrated Broadcast Service (IBS).....	Volume 4 - 537
262	07	0305206F	Airborne Reconnaissance Systems.....	Volume 4 - 547
263	07	0305207F	Manned Reconnaissance Systems.....	Volume 4 - 587
264	07	0305208F	Distributed Common Ground/Surface Systems.....	Volume 4 - 597
265	07	0305220F	RQ-4 UAV.....	Volume 4 - 613
266	07	0305221F	Network-Centric Collaborative Targeting.....	Volume 4 - 621
267	07	0305238F	NATO AGS.....	Volume 4 - 627
268	07	0305240F	ISR Transport and Processing.....	Volume 4 - 633
269	07	0305249F	AF JWICS Enterprise.....	Volume 4 - 651
270	07	0305600F	International Intelligence Technology and Architectures.....	Volume 4 - 659

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
271	07	0305836F	C2IMERA.....	Volume 4 - 665
272	07	0305903F	Mobile Command Center Systems (MC2S).....	Volume 4 - 673
273	07	0305984F	Personnel Recovery Command & Ctrl (PRC2).....	Volume 4 - 679
274	07	0307577F	Intelligence Mission Data (IMD).....	Volume 4 - 687
275	07	0401119F	C-5 Airlift Squadrons (IF).....	Volume 4 - 693
276	07	0401130F	C-17 Aircraft (IF).....	Volume 4 - 707
277	07	0401132F	C-130J Program.....	Volume 4 - 717
278	07	0401134F	Large Aircraft IR Countermeasures (LAIRCM).....	Volume 4 - 733
279	07	0401218F	KC-135s.....	Volume 4 - 753
280	07	0401318F	CV-22.....	Volume 4 - 765
281	07	0401334F	Large Aircraft Survivability Systems (LASS).....	Volume 4 - 773
282	07	0408011F	Special Tactics / Combat Control.....	Volume 4 - 781
283	07	0708610F	Logistics Information Technology (LOGIT).....	Volume 4 - 789
284	07	0801380F	AF LVC Operational Training (LVC-OT).....	Volume 4 - 803
285	07	0804743F	Other Flight Training.....	Volume 4 - 817
286	07	0901202F	Joint Personnel Recovery Agency.....	Volume 4 - 831
287	07	0901218F	Civilian Compensation Program.....	Volume 4 - 837
288	07	0901220F	Personnel Administration.....	Volume 4 - 843

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Appropriation 3600: Research, Development, Test & Evaluation, Air Force

Line #	Budget Activity	Program Element Number	Program Element Title	Page
289	07	0901226F	Air Force Studies and Analysis Agency.....	Volume 4 - 853
291	07	0901538F	Financial Management Information Systems Development.....	Volume 4 - 863
292	07	0901554F	Defense Enterprise Acntng and Mgt Sys (DEAMS).....	Volume 4 - 873
293	07	1201921F	Service Support to STRATCOM - Space Activities.....	Volume 4 - 885

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Master Program Element Table of Contents (Alphabetically by Program Element Title)

Program Element Title	Program Element Number	Line #	BA	Page
AF Defensive Cyberspace Operations	0208088F	214	07.....	Volume 4 - 203
AF ISR Digital Infrastructure	0303010F	76	04.....	Volume 2 - 499
AF Integrated Personnel and Pay System (AF-IPPS)	0605018F	153	07.....	Volume 3 - 269
AF JWICS Enterprise	0305249F	269	07.....	Volume 4 - 651
AF LVC Operational Training (LVC-OT)	0801380F	284	07.....	Volume 4 - 803
AF Multi-Domain Non-Traditional ISR Battlespace Awareness	0301401F	228	07.....	Volume 4 - 245
AF TENCAP	0207247F	188	07.....	Volume 3 - 747
AFSPECWAR - TACP	0207418F	196	07.....	Volume 4 - 9
AFWERX	0604009F	41	04.....	Volume 2 - 135
AMBIT - Post-Auctioned SRF	0303867F	114	05.....	Volume 2 - 959
Acq Workforce- Advanced Prgm Technology	0605832F	133	06.....	Volume 3 - 73
Acq Workforce- Capability Integration	0605831F	132	06.....	Volume 3 - 59
Acq Workforce- Cyber, Network, & Bus Sys	0605829F	131	06.....	Volume 3 - 53
Acq Workforce- Global Reach	0605828F	130	06.....	Volume 3 - 47
Acq Workforce- Global Vig & Combat Sys	0605827F	129	06.....	Volume 3 - 43
Acq Workforce- Nuclear Systems	0605833F	134	06.....	Volume 3 - 77
Acquisition and Management Support	0702806F	143	06.....	Volume 3 - 129

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Advanced Aerospace Sensors	0603203F	19	03.....	Volume 1 - 273
Advanced Battle Management System (ABMS)	0604003F	37	04.....	Volume 2 - 87
Advanced Distributed Learning	0804776F	144	06.....	Volume 3 - 137
Advanced Engine Development	0604004F	38	04.....	Volume 2 - 111
Advanced Materials for Weapon Systems	0603112F	17	03.....	Volume 1 - 251
Advanced Medium Range Air-to-Air Missile (AMRAAM)	0207163F	183	07.....	Volume 3 - 709
Advanced Pilot Training	0605223F	101	05.....	Volume 2 - 809
Advanced Tanker Systems	0604343F	55	04.....	Volume 2 - 261
Advanced Technology and Sensors	0604257F	50	04.....	Volume 2 - 215
Advanced Weapons Technology	0603605F	25	03.....	Volume 1 - 365
Aerial Targets	0305116F	254	07.....	Volume 4 - 499
Aerospace Sensors	0602204F	9	02.....	Volume 1 - 143
Aerospace Systems Technologies	0602203F	8	02.....	Volume 1 - 89
Aerospace Technology Dev/Demo	0603211F	20	03.....	Volume 1 - 285
Aerospace Vehicle Technologies	0602201F	6	02.....	Volume 1 - 61
Agile Combat Support	0604617F	95	05.....	Volume 2 - 735
Air & Space Operations Center (AOC)	0207410F	194	07.....	Volume 3 - 813
Air Force Calibration Programs	0207521F	205	07.....	Volume 4 - 121
Air Force Special Warfare (SPECWAR)	0207457F	203	07.....	Volume 4 - 81

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Air Force Studies and Analysis Agency	0901226F	289	07.....	Volume 4 - 853
Air Refueling Capability Modernization	0605164F	63	04.....	Volume 2 - 387
Air Traffic Control, Approach, and Landing System (ATCALs)	0305114F	253	07.....	Volume 4 - 485
Air-Launched Cruise Missile (ALCM)	0101122F	160	07.....	Volume 3 - 421
Airbase Air Defense Systems (ABADS)	0207522F	72	04.....	Volume 2 - 461
Airborne Reconnaissance Systems	0305206F	262	07.....	Volume 4 - 547
Airborne SIGINT Enterprise	0304260F	242	07.....	Volume 4 - 393
Aircraft Engine Component Improvement Program	0207268F	191	07.....	Volume 3 - 777
All Domain Common Platform	0303248F	236	07.....	Volume 4 - 357
Anti-Tamper Technology Executive Agency	0605024F	154	07.....	Volume 3 - 279
Armament/Ordnance Development	0604602F	93	05.....	Volume 2 - 711
Auctioned Spectrum Relocation Fund	0303267F	113	05.....	Volume 2 - 953
Automated Test Systems	0701212F	120	05.....	Volume 2 - 1019
Autonomous Collaborative Platforms	0207179F	68	04.....	Volume 2 - 429
Aviation Support Equipment - General	0202834F	171	07.....	Volume 3 - 565
B-1B Squadrons	0101126F	161	07.....	Volume 3 - 427
B-2 Squadrons	0101127F	162	07.....	Volume 3 - 449
B-52 Squadrons	0101113F	159	07.....	Volume 3 - 351
Battle Mgmt Com & Ctrl Sensor Development	0604283F	150	07.....	Volume 3 - 175

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Battlespace Knowledge Development and Demonstration	0603788F	27	03.....	Volume 1 - 389
C-130J Program	0401132F	277	07.....	Volume 4 - 717
C-17 Aircraft (IF)	0401130F	276	07.....	Volume 4 - 707
C-5 Airlift Squadrons (IF)	0401119F	275	07.....	Volume 4 - 693
C2 Air Operations Suite - C2 Info Services	0305015F	247	07.....	Volume 4 - 433
C2IMERA	0305836F	271	07.....	Volume 4 - 665
C2ISR Tactical Data Link	0207448F	70	04.....	Volume 2 - 447
CCMD Intelligence Information Technology	0305020F	248	07.....	Volume 4 - 439
CV-22	0401318F	280	07.....	Volume 4 - 765
Civilian Compensation Program	0901218F	287	07.....	Volume 4 - 837
Cognitive Electromagnetic Warfare	0207039F	106	05.....	Volume 2 - 879
Collaborative Combat Aircraft	0207147F	67	04.....	Volume 2 - 421
Combat Air Intelligence System Activities	0207431F	198	07.....	Volume 4 - 17
Combat Identification	0207420F	69	04.....	Volume 2 - 441
Combat Identification Technology	0603742F	33	04.....	Volume 2 - 25
Combat Rescue - Pararescue	0207227F	185	07.....	Volume 3 - 725
Combat Survivor Evader Locator	1203176F	122	05.....	Volume 2 - 1045
Combat Training Ranges	0604735F	97	05.....	Volume 2 - 761
Command, Control, Communication, and Computers (C4) - STRATCOM	0303255F	141	06.....	Volume 3 - 115

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Commercial Economic Analysis	0304310F	243	07.....	Volume 4 - 419
Common Data Link Executive Agent (CDL EA)	0305236F	77	04.....	Volume 2 - 513
Compass Call	0207253F	190	07.....	Volume 3 - 761
Contracting Information Technology System	0901410F	84	04.....	Volume 2 - 571
Control and Reporting Center (CRC)	0207412F	29	03.....	Volume 1 - 421
Control and Reporting Center (CRC)	0207412F	195	07.....	Volume 4 - 1
Conventional Munitions	0602602F	13	02.....	Volume 1 - 189
Conventional Weapons Technology	0603601F	24	03.....	Volume 1 - 349
Countering Advanced Conventional Weapons (CACW)	0301377F	226	07.....	Volume 4 - 239
Cyber Resiliency of Weapon Systems-ACS	0604414F	56	04.....	Volume 2 - 269
Cyber Security Initiative	0305103F	251	07.....	Volume 4 - 465
Cyber Security Intelligence Support	0301113F	220	07.....	Volume 4 - 233
Cyberspace and DoDIN Operations	0303089F	232	07.....	Volume 4 - 271
DCAPES	0207452F	202	07.....	Volume 4 - 71
Defense Enterprise Acntng and Mgt Sys (DEAMS)	0901554F	292	07.....	Volume 4 - 873
Defense Joint Counterintelligence Activities	0305146F	258	07.....	Volume 4 - 513
Defense Laboratories R&D Projects (10 U.S.C, Sec 2358)	0602212F	10	02.....	Volume 1 - 173
Defense Research Sciences	0601102F	1	01.....	Volume 1 - 1
Deployment & Distribution Enterprise R&D	0604776F	28	03.....	Volume 1 - 403

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Deployment & Distribution Enterprise R&D	0604776F	59	04.....	Volume 2 - 317
Digital Transformation Office	0606005F	65	04.....	Volume 2 - 401
Directed Energy Prototyping	0604032F	45	04.....	Volume 2 - 177
Directed Energy Technology	0602605F	14	02.....	Volume 1 - 207
Distributed Common Ground/Surface Systems	0305208F	264	07.....	Volume 4 - 597
Distributed Cyber Warfare Operations	0208087F	213	07.....	Volume 4 - 195
Distributed Training and Exercises	0207697F	209	07.....	Volume 4 - 151
Dominant Information Sciences and Methods	0602788F	15	02.....	Volume 1 - 217
E-11A	0207238F	186	07.....	Volume 3 - 731
E-4B National Airborne Operations Center (NAOC)	0302015F	229	07.....	Volume 4 - 251
E-7	0604007F	40	04.....	Volume 2 - 127
EIT CONNECT	0303004F	231	07.....	Volume 4 - 265
ENTEPRISE INFORMATION SERVICES (EIS)	0308602F	142	06.....	Volume 3 - 121
Electromagnetic Battle Management (EMBM)	0207407F	110	05.....	Volume 2 - 921
Electromagnetic Warfare Int Reprog (EWIR)	0207439F	200	07.....	Volume 4 - 39
Electronic Combat Technology	0603270F	21	03.....	Volume 1 - 315
Electronic Warfare Development	0604270F	89	05.....	Volume 2 - 645
Enterprise Select Class II	0701200F	80	04.....	Volume 2 - 537
F-15E Squadrons	0207134F	177	07.....	Volume 3 - 633

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
F-15EX	0207146F	181	07.....	Volume 3 - 689
F-16 Squadrons	0207133F	176	07.....	Volume 3 - 613
F-22A Squadrons	0207138F	179	07.....	Volume 3 - 653
F-35 C2D2	0604840F	152	07.....	Volume 3 - 189
F-35 Squadrons	0207142F	180	07.....	Volume 3 - 673
F-47	0207110F	66	04.....	Volume 2 - 413
F-47	0207110F	107	05.....	Volume 2 - 887
Facilities Restoration and Modernization - Test and Evaluation Support	0605976F	136	06.....	Volume 3 - 85
Facilities Sustainment - Test and Evaluation Support	0605978F	137	06.....	Volume 3 - 89
Family of Affordable Mass Missiles (FAMM)	0604041F	47	04.....	Volume 2 - 193
Financial Management Information Systems Development	0901538F	291	07.....	Volume 4 - 863
Financing for Cancelled Account Adjustments	0909999F	146	06.....	Volume 3 - 143
Flight Operations Systems	0207461F	204	07.....	Volume 4 - 113
Foreign Materiel Acquisition and Exploitation	0605117F	155	07.....	Volume 3 - 287
Full Combat Mission Training	0207701F	111	05.....	Volume 2 - 929
Full Combat Mission Training	0207701F	210	07.....	Volume 4 - 157
Future AF Capabilities Applied Research	0602020F	3	02.....	Volume 1 - 27
Future AF Integrated Technology Demos	0603032F	16	03.....	Volume 1 - 233
Future Advanced Weapon Analysis & Programs	0604200F	86	05.....	Volume 2 - 593

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
GeoBase	0301025F	219	07.....	Volume 4 - 227
Global Air Traffic Management (GATM)	0305099F	250	07.....	Volume 4 - 457
Ground Based Strategic Deterrent EMD	0605238F	102	05.....	Volume 2 - 817
HC/MC-130 Recap RDT&E	0605278F	157	07.....	Volume 3 - 323
HH-60W	0605229F	156	07.....	Volume 3 - 295
Hard and Deeply Buried Target Defeat System (HDBTDS) Program	0604327F	53	04.....	Volume 2 - 245
High Frequency Radio Systems	0303133F	234	07.....	Volume 4 - 331
Human Effectiveness Advanced Technology Development	0603456F	23	03.....	Volume 1 - 331
Human Effectiveness Applied Research	0602202F	7	02.....	Volume 1 - 65
Hypersonics Prototyping	0604033F	46	04.....	Volume 2 - 183
Hypersonics Prototyping - Hypersonic Attack Cruise Missile (HACM)	0604183F	49	04.....	Volume 2 - 207
ICBM Fuze Modernization	0604933F	99	05.....	Volume 2 - 793
ICBM Reentry Vehicles	0101328F	166	07.....	Volume 3 - 519
ISR Modernization & Automation Dvmt (IMAD)	0305022F	249	07.....	Volume 4 - 445
ISR Transport and Processing	0305240F	268	07.....	Volume 4 - 633
In-Transit Visibility (ITV) Modernization	0603677F	32	04.....	Volume 2 - 19
Information Systems Security Program	0303140F	235	07.....	Volume 4 - 343
Initial Operational Test & Evaluation	0605712F	127	06.....	Volume 3 - 27
Integrated Broadcast Service (IBS)	0305179F	261	07.....	Volume 4 - 537

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Integrated Primary Prevention	0808737F	83	04.....	Volume 2 - 561
Intel Data Applications	0208288F	218	07.....	Volume 4 - 221
Intelligence Advanced Development	0603260F	31	04.....	Volume 2 - 7
Intelligence Mission Data (IMD)	0307577F	274	07.....	Volume 4 - 687
Intercontinental Ballistic Missile - Dem/Val	0603851F	35	04.....	Volume 2 - 53
International Activities	1001004F	147	06.....	Volume 3 - 145
International Intelligence Technology and Architectures	0305600F	270	07.....	Volume 4 - 659
Isolated Personnel Survivability and Recovery	0207279F	108	05.....	Volume 2 - 895
Joint Advanced Tactical Missile (JATM)	0207172F	184	07.....	Volume 3 - 719
Joint Air-to-Surface Standoff Missile (JASSM)	0207325F	192	07.....	Volume 3 - 793
Joint Counter RCIED Electronic Warfare	0205671F	174	07.....	Volume 3 - 601
Joint Fires Network (JFN)	0305282F	116	05.....	Volume 2 - 973
Joint Military Deception Initiative	0303260F	237	07.....	Volume 4 - 365
Joint Personnel Recovery Agency	0901202F	286	07.....	Volume 4 - 831
Joint Simulation Environment (JSE)	0207606F	73	04.....	Volume 2 - 473
Joint Transportation Management System (JTMS)	0604668F	58	04.....	Volume 2 - 309
KC-135s	0401218F	279	07.....	Volume 4 - 753
KC-46A Tanker Squadrons	0401221F	117	05.....	Volume 2 - 979
Large Aircraft IR Countermeasures (LAIRCM)	0401134F	278	07.....	Volume 4 - 733

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Large Aircraft Survivability Systems (LASS)	0401334F	119	05.....	Volume 2 - 1013
Large Aircraft Survivability Systems (LASS)	0401334F	281	07.....	Volume 4 - 773
Life Support Systems	0604706F	96	05.....	Volume 2 - 753
Logistics Information Technology (LOGIT)	0708610F	283	07.....	Volume 4 - 789
Long Endurance - Airborne ISR	0304784F	246	07.....	Volume 4 - 425
Long Range Standoff Weapon	0604932F	98	05.....	Volume 2 - 775
Long Range Strike - Bomber	0604015F	43	04.....	Volume 2 - 159
Looking Glass Next	0302060F	75	04.....	Volume 2 - 491
MH-139A	0102110F	168	07.....	Volume 3 - 541
MQ-9 UAV	0205219F	173	07.....	Volume 3 - 581
Major T&E Investment	0604759F	124	06.....	Volume 3 - 11
Management HQ - R&D	0605898F	135	06.....	Volume 3 - 81
Management HQ - T&E	0606398F	139	06.....	Volume 3 - 107
Manned Destructive Suppression	0207136F	178	07.....	Volume 3 - 645
Manned Reconnaissance Systems	0305207F	263	07.....	Volume 4 - 587
Manufacturing Technology Program	0603680F	26	03.....	Volume 1 - 375
Materials	0602102F	5	02.....	Volume 1 - 37
Microelectronics Secure Enclave	0605296F	103	05.....	Volume 2 - 839
Minimum Essential Emergency Communications Network (MEECN)	0303131F	233	07.....	Volume 4 - 277

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Minuteman Squadrons	0101213F	163	07.....	Volume 3 - 471
Mission Partner Environments	0305601F	78	04.....	Volume 2 - 525
Mission Planning Systems	0208006F	211	07.....	Volume 4 - 167
Mobile Command Center Systems (MC2S)	0305903F	272	07.....	Volume 4 - 673
Modular Advanced Missile	0603036F	30	04.....	Volume 2 - 1
Multi-Platform Electronic Warfare Equipment	0207040F	175	07.....	Volume 3 - 607
NATO AGS	0305238F	267	07.....	Volume 4 - 627
NATO Research and Development	0603790F	34	04.....	Volume 2 - 47
NC3 Advanced Concepts	0604001F	36	04.....	Volume 2 - 79
NC3 Commercial Development & Prototyping	0604005F	39	04.....	Volume 2 - 119
NC3 Integration	0606018F	158	07.....	Volume 3 - 341
NORAD & USNORTHCOM (N&NC) Experimentation	0604060F	48	04.....	Volume 2 - 201
National Technical Nuclear Forensics	0207573F	206	07.....	Volume 4 - 129
Network-Centric Collaborative Targeting	0305221F	266	07.....	Volume 4 - 621
Next Generation Adaptive Propulsion	0604010F	42	04.....	Volume 2 - 151
Next Generation Air-refueling System	0605057F	62	04.....	Volume 2 - 381
Non-Kinetic Countermeasure Support	0302315F	230	07.....	Volume 4 - 259
Nuclear Delivery Systems Prototyping	0604336F	54	04.....	Volume 2 - 253
Nuclear Delivery Systems Tech Exploration	0602336F	12	02.....	Volume 1 - 181

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Nuclear Enterprise Research & Development	0606004F	64	04.....	Volume 2 - 393
Nuclear Weapons Modernization	0101125F	104	05.....	Volume 2 - 847
Nuclear Weapons Support	0604222F	88	05.....	Volume 2 - 619
Nuclear Weapons Support	0604222F	148	07.....	Volume 3 - 149
Offensive small Unmanned Aircraft Systems (sUAS)	0208201F	140	06.....	Volume 3 - 111
Open Architecture Management	0605056F	100	05.....	Volume 2 - 801
Operational Energy and Installation Resilience	0604860F	61	04.....	Volume 2 - 363
Operations Security (OPSEC)	0203345F	172	07.....	Volume 3 - 573
Other Flight Training	0804743F	285	07.....	Volume 4 - 817
Over-the-Horizon Backscatter Radar	0102417F	105	05.....	Volume 2 - 863
Over-the-Horizon Backscatter Radar	0102417F	170	07.....	Volume 3 - 557
PNT Resiliency, Mods, and Improvements	0604201F	87	05.....	Volume 2 - 603
Persistent Surveillance	0305913F	79	04.....	Volume 2 - 531
Personnel Administration	0901220F	288	07.....	Volume 4 - 843
Personnel Recovery Command & Ctrl (PRC2)	0305984F	273	07.....	Volume 4 - 679
Physical Security Equipment	0604287F	91	05.....	Volume 2 - 693
Precision Attack Systems Procurement	0207249F	189	07.....	Volume 3 - 755
Productivity Investments	0901215F	145	06.....	Volume 3 - 139
RAND Project Air Force	0605101F	125	06.....	Volume 3 - 19

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
RQ-4 UAV	0305220F	265	07.....	Volume 4 - 613
Rapid Defense Experimentation Reserve (RDER)	0604025F	44	04.....	Volume 2 - 171
Rapid Sustainment Modernization (RSM)	0708051F	81	04.....	Volume 2 - 543
Readiness Decision Support Enterprise	0207611F	208	07.....	Volume 4 - 145
Region/Sector Operation Control Center Modernization Program	0102326F	169	07.....	Volume 3 - 551
Requirements Analysis & Concept Maturation	0604609F	57	04.....	Volume 2 - 289
Requirements Analysis and Maturation	0606017F	138	06.....	Volume 3 - 95
SATURN	0303008F	112	05.....	Volume 2 - 939
Science & Technology for Nuclear Re-entry Systems	0603273F	22	03.....	Volume 1 - 321
Science and Technology Management - Major Headquarters Activities	0602298F	11	02.....	Volume 1 - 177
Security and Investigative Activities	0305128F	257	07.....	Volume 4 - 507
Seek Eagle	0207590F	207	07.....	Volume 4 - 135
Service Support to STRATCOM - Global Strike	0101318F	165	07.....	Volume 3 - 511
Service Support to STRATCOM - Space Activities	1201921F	293	07.....	Volume 4 - 885
Small Business Innovation Research	0605502F	126	06.....	Volume 3 - 23
Small Diameter Bomb (SDB)	0207327F	193	07.....	Volume 3 - 803
Special Program Applications	0207242F	187	07.....	Volume 3 - 745
Special Tactics / Combat Control	0408011F	282	07.....	Volume 4 - 781
Special Victim Accountability and Investigation	0808736F	82	04.....	Volume 2 - 553

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Specialized Undergraduate Flight Training	0604233F	149	07.....	Volume 3 - 155
Stand In Attack Weapon	0207328F	109	05.....	Volume 2 - 911
Strategic Mission Planning & Execution System (SMPES)	0304100F	238	07.....	Volume 4 - 371
Submunitions	0604604F	94	05.....	Volume 2 - 727
Survivable Airborne Operations Center (SAOC)	0604288F	51	04.....	Volume 2 - 229
Survivable Airborne Operations Center (SAOC)	0604288F	92	05.....	Volume 2 - 701
Sustainment Science and Technology (S&T)	0603199F	18	03.....	Volume 1 - 267
THRESHER	0304109F	239	07.....	Volume 4 - 387
Tactical AIM Missiles	0207161F	182	07.....	Volume 3 - 699
Tactical Air Control Party-Mod	0207444F	201	07.....	Volume 4 - 61
Tactical Data Networks Enterprise	0604281F	90	05.....	Volume 2 - 677
Tactical Deception	0208007F	212	07.....	Volume 4 - 187
Tactical Terminal	0305158F	260	07.....	Volume 4 - 525
Tech Transition Program	0604858F	60	04.....	Volume 2 - 329
Technology Transfer	0604317F	52	04.....	Volume 2 - 237
Test and Evaluation Support	0605807F	128	06.....	Volume 3 - 33
Theater Battle Management (TBM) C4I	0207438F	199	07.....	Volume 4 - 33
Theater Nuclear Weapon Storage & Security System	0305155F	115	05.....	Volume 2 - 965
Theater Nuclear Weapon Storage & Security System	0305155F	259	07.....	Volume 4 - 519

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2027 • RDT&E Program

Program Element Title	Program Element Number	Line #	BA	Page
Threat Simulator Development	0604256F	123	06.....	Volume 3 - 1
Three Dimensional Long-Range Radar (3DELRR)	0207455F	71	04.....	Volume 2 - 453
Training Developments	0804772F	121	05.....	Volume 2 - 1037
U.S. Space Command Research and Development Support	1206415F	85	04.....	Volume 2 - 581
University Affiliated Research Center (UARC) - Tactical Autonomy	0602022F	4	02.....	Volume 1 - 33
University Research Initiatives	0601103F	2	01.....	Volume 1 - 21
VC-25B	0401319F	118	05.....	Volume 2 - 1005
War Reserve Materiel - Ammunition	0208030F	74	04.....	Volume 2 - 483
Weather Service	0305111F	252	07.....	Volume 4 - 471
Wide Area Surveillance	0604445F	151	07.....	Volume 3 - 183
Worldwide Joint Strategic Communications	0101316F	164	07.....	Volume 3 - 503

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

RDTE, Air Force												Date: April 2026				
Department of the Air Force TOTAL CIVILIAN PERSONNEL COSTS OP-8B: OP-8 (PB) FY 2027 President's Budget Submission (FY 2025)																
	(\$ in Thousands)											Rates				
	a Begin Strength	b End Strength	c FTEs	d Basic Comp	e Overtime Pay	f Holidays Pay	g Other O.C.1	e + f + g h Total Variable	d + h i Comp O.C.11	i Benefits O.C.12/13	i + j k Comp & Benefits	d/c l Basic Comp	i/c m Total Comp	k/c n Comp & Benefits	h/d o % BC Variables	j/d p % BC Benefits
Direct Funded Personnel (includes OC 13)	19,927	19,949	18,702	2,469,409	0	0	0	0	2,469,409	691,094	3,160,503	\$132,040	\$132,040	\$168,993	0.0%	28.0%
D1. US Direct Hire (USDH)	19,925	19,947	18,700	2,469,077	-	-	-	-	2,469,077	691,094	3,160,171	\$132,036	\$132,036	\$168,993	0.0%	28.0%
D1a. Senior Executive Schedule	75	75	75	13,500	-	-	-	-	13,500	4,860	18,360	\$180,000	\$180,000	\$244,800	0.0%	36.0%
D1b. General Schedule	16,594	16,616	15,369	2,208,121	-	-	-	-	2,208,121	597,150	2,805,271	\$143,674	\$143,674	\$182,528	0.0%	27.0%
D1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1d. Wage System	3,256	3,256	3,256	247,456	-	-	-	-	247,456	89,084	336,540	\$76,000	\$76,000	\$103,360	0.0%	36.0%
D1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D3. Total Direct Hire	19,925	19,947	18,700	2,469,077	-	-	-	-	2,469,077	691,094	3,160,171	\$132,036	\$132,036	\$168,993	0.0%	28.0%
D4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	332	-	-	-	-	332	-	332	\$166,000	\$166,000	\$166,000	0.0%	0.0%
Subtotal - Direct Funded (excludes OC 13)	19,927	19,949	18,702	2,469,409	-	-	-	-	2,469,409	691,094	3,160,503	\$132,040	\$132,040	\$168,993	0.0%	28.0%
D5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5c. Voluntary Separation Incentive Pay (VSIP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5d. Foreign National Separation Liability Accrual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reimbursable Funded Personnel (includes OC 13)	4,007	4,591	4,591	565,802	0	0	0	0	565,802	0	565,802	\$123,242	\$123,242	\$123,242	0.0%	0.0%
R1. US Direct Hire (USDH)	4,007	4,591	4,591	565,802	-	-	-	-	565,802	-	565,802	\$123,242	\$123,242	\$123,242	0.0%	0.0%
R1a. Senior Executive Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1b. General Schedule	4,007	4,591	4,591	565,802	-	-	-	-	565,802	-	565,802	\$123,242	\$123,242	\$123,242	0.0%	0.0%
R1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1d. Wage System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R3. Total Direct Hire	4,007	4,591	4,591	565,802	-	-	-	-	565,802	-	565,802	\$123,242	\$123,242	\$123,242	0.0%	0.0%
R4. Indirect Hire Foreign Nationals (IHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Reimbursable Funded (excludes OC 13)	4,007	4,591	4,591	565,802	-	-	-	-	565,802	-	565,802	\$123,242	\$123,242	\$123,242	0.0%	0.0%
R5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5c. Voluntary Separation Incentive Pay (VSIP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5d. Foreign National Separation Liability Accrual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Personnel (includes OC 13)	23,934	24,540	23,293	3,035,211	0	0	0	0	3,035,211	691,094	3,726,305	\$130,306	\$130,306	\$159,975	0.0%	22.8%
T1. US Direct Hire (USDH)	23,932	24,538	23,291	3,034,879	-	-	-	-	3,034,879	691,094	3,725,973	\$130,303	\$130,303	\$159,975	0.0%	22.8%
T1a. Senior Executive Schedule	75	75	75	13,500	0	0	0	0	13,500	4,860	18,360	\$180,000	\$180,000	\$244,800	0.0%	36.0%
T1b. General Schedule	20,601	21,207	19,960	2,773,923	0	0	0	0	2,773,923	597,150	3,371,073	\$138,974	\$138,974	\$168,891	0.0%	21.5%
T1c. Special Schedule	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T1d. Wage System	3,256	3,256	3,256	247,456	0	0	0	0	247,456	89,084	336,540	\$76,000	\$76,000	\$103,360	0.0%	36.0%
T1e. Highly Qualified Experts	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T2. Direct Hire Program Foreign Nationals (DHFN)	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T3. Total Direct Hire	23,932	24,538	23,291	3,034,879	-	-	-	-	3,034,879	691,094	3,725,973	\$130,303	\$130,303	\$159,975	0.0%	22.8%
T4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	332	0	0	0	0	332	0	332	\$166,000	\$166,000	\$166,000	0.0%	0.0%
Subtotal - Total Funded (excludes OC 13)	23,934	24,540	23,293	3,035,211	-	-	-	-	3,035,211	691,094	3,726,305	\$130,306	\$130,306	\$159,975	0.0%	22.8%
T5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

RDTE, Air Force												Date: April 2026				
Department of the Air Force TOTAL CIVILIAN PERSONNEL COSTS OP-8B: OP-8 (PB) FY 2027 President's Budget Submission (FY 2026)																
	(\$ in Thousands)											Rates				
	a	b	c	d	e	f	g	e + f + g	d + h	i	i + j	d/e	i/e	k/c	h/d	j/d
	Begin	End	FTEs	Basic	Overtime	Holiday	Other	Total	Comp	Benefits	Comp	Basic	Total	Comp	% BC	% BC
	Strength	Strength		Comp	Pay	Pay	O.C.11	Variables	O.C.11	O.C.12/13	& Benefits	Comp	Comp	& Benefits	Variables	Benefits
Direct Funded Personnel (includes OC 13)	19,895	17,532	17,450	2,344,600	0	0	0	0	2,344,600	703,278	3,047,878	\$134,361	\$134,361	\$174,663	0.0%	30.0%
D1. US Direct Hire (USDH)	19,893	17,530	17,448	2,344,261	-	-	-	-	2,344,261	703,278	3,047,539	\$134,357	\$134,357	\$174,664	0.0%	30.0%
D1a. Senior Executive Schedule	21	21	21	3,969	-	-	-	-	3,969	1,701	5,670	\$189,000	\$189,000	\$270,000	0.0%	42.9%
D1b. General Schedule	16,616	16,349	16,267	2,263,964	-	-	-	-	2,263,964	668,865	2,932,829	\$139,175	\$139,175	\$180,293	0.0%	29.5%
D1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1d. Wage System	3,256	1,160	1,160	76,328	-	-	-	-	76,328	32,712	109,040	\$65,800	\$65,800	\$94,000	0.0%	42.9%
D1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D3. Total Direct Hire	19,893	17,530	17,448	2,344,261	-	-	-	-	2,344,261	703,278	3,047,539	\$134,357	\$134,357	\$174,664	0.0%	30.0%
D4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	339	-	-	-	-	339	-	339	\$169,500	\$169,500	\$169,500	0.0%	0.0%
Subtotal - Direct Funded (excludes OC 13)	19,895	17,532	17,450	2,344,600	-	-	-	-	2,344,600	703,278	3,047,878	\$134,361	\$134,361	\$174,663	0.0%	30.0%
D5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reimbursable Funded Personnel (includes OC 13)	5,082	5,150	5,150	589,590	0	0	0	0	589,590	0	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R1. US Direct Hire (USDH)	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R1a. Senior Executive Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1b. General Schedule	5,082	5,150	5,104	585,450	-	-	-	-	585,450	-	585,450	\$114,704	\$114,704	\$114,704	0.0%	0.0%
R1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1d. Wage System	-	-	46	4,140	-	-	-	-	4,140	-	4,140	\$90,000	\$90,000	\$90,000	0.0%	0.0%
R1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R2. Direct Hire Program Foreign Nationals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R3. Total Direct Hire	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R4. Indirect Hire Foreign Nationals (IHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Reimbursable Funded (excludes	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Personnel (includes OC 13)	24,977	22,682	22,600	2,934,190	0	0	0	0	2,934,190	703,278	3,637,468	\$129,831	\$129,831	\$160,950	0.0%	24.0%
T1. US Direct Hire (USDH)	24,975	22,680	22,598	2,933,851	-	-	-	-	2,933,851	703,278	3,637,129	\$129,828	\$129,828	\$160,949	0.0%	24.0%
T1a. Senior Executive Schedule	21	21	21	3,969	0	0	0	0	3,969	1,701	5,670	\$189,000	\$189,000	\$270,000	0.0%	42.9%
T1b. General Schedule	21,698	21,499	21,371	2,849,414	0	0	0	0	2,849,414	668,865	3,518,279	\$133,331	\$133,331	\$164,629	0.0%	23.5%
T1c. Special Schedule	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T1d. Wage System	3,256	1,160	1,206	80,468	0	0	0	0	80,468	32,712	113,180	\$66,723	\$66,723	\$93,847	0.0%	40.7%
T1e. Highly Qualified Experts	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T2. Direct Hire Program Foreign Nationals	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T3. Total Direct Hire	24,975	22,680	22,598	2,933,851	-	-	-	-	2,933,851	703,278	3,637,129	\$129,828	\$129,828	\$160,949	0.0%	24.0%
T4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	339	0	0	0	0	339	0	339	\$169,500	\$169,500	\$169,500	0.0%	0.0%
Subtotal - Total Funded (excludes OC 13)	24,977	22,682	22,600	2,934,190	-	-	-	-	2,934,190	703,278	3,637,468	\$129,831	\$129,831	\$160,950	0.0%	24.0%
T5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0

RDTE, Air Force												Date: April 2026				
Department of the Air Force TOTAL CIVILIAN PERSONNEL COSTS OP-8B: OP-8 (PB) FY 2027 President's Budget Submission (FY 2027)																
	(\$ in Thousands)											Rates				
	a	b	c	d	e	f	g	e + f + g	d + h	i	i + j	d/c	i/c	k/c	h/d	j/d
	Begin	End	FTEs	Basic	Overtime	Holiday	Other	Total	Comp	Benefits	Comp	Basic	Total	Comp	% BC	% BC
	Strength	Strength	FTEs	Comp	Pay	Pay	O.C.11	Variables	O.C.11	O.C.12/13	& Benefits	Comp	Comp	& Benefits	Variables	Benefits
Direct Funded Personnel (includes OC 13)	19,361	16,926	16,926	2,359,931	0	0	0	0	2,359,931	705,757	3,065,688	\$139,426	\$139,426	\$181,123	0.0%	29.9%
D1. US Direct Hire (USDH)	19,359	16,924	16,924	2,359,487	-	-	-	-	2,359,487	705,757	3,065,244	\$139,417	\$139,417	\$181,118	0.0%	29.9%
D1a. Senior Executive Schedule	21	21	21	18,750	-	-	-	-	18,750	4,588	23,338	\$892,857	\$892,857	\$1,111,333	0.0%	24.5%
D1b. General Schedule	16,349	15,787	15,787	2,263,446	-	-	-	-	2,263,446	678,020	2,941,466	\$143,374	\$143,374	\$186,322	0.0%	30.0%
D1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1d. Wage System	2,989	1,116	1,116	77,291	-	-	-	-	77,291	23,149	100,440	\$69,257	\$69,257	\$90,000	0.0%	30.0%
D1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D3. Total Direct Hire	19,359	16,924	16,924	2,359,487	-	-	-	-	2,359,487	705,757	3,065,244	\$139,417	\$139,417	\$181,118	0.0%	29.9%
D4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	444	-	-	-	-	444	-	444	\$222,000	\$222,000	\$222,000	0.0%	0.0%
Subtotal - Direct Funded (excludes OC 13)	19,361	16,926	16,926	2,359,931	-	-	-	-	2,359,931	705,757	3,065,688	\$139,426	\$139,426	\$181,123	0.0%	29.9%
D5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reimbursable Funded Personnel (includes OC 13)	5,082	5,150	5,150	589,590	0	0	0	0	589,590	0	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R1. US Direct Hire (USDH)	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R1a. Senior Executive Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1b. General Schedule	5,082	5,150	5,104	585,450	-	-	-	-	585,450	-	585,450	\$114,704	\$114,704	\$114,704	0.0%	0.0%
R1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1d. Wage System	-	-	46	4,140	-	-	-	-	4,140	-	4,140	\$90,000	\$90,000	\$90,000	0.0%	0.0%
R1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R2. Direct Hire Program Foreign Nationals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R3. Total Direct Hire	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R4. Indirect Hire Foreign Nationals (IHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Reimbursable Funded (excludes OC 13)	5,082	5,150	5,150	589,590	-	-	-	-	589,590	-	589,590	\$114,483	\$114,483	\$114,483	0.0%	0.0%
R5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Personnel (includes OC 13)	24,443	22,076	22,076	2,949,521	0	0	0	0	2,949,521	705,757	3,655,278	\$133,608	\$133,608	\$165,577	0.0%	23.9%
T1. US Direct Hire (USDH)	24,441	22,074	22,074	2,949,077	-	-	-	-	2,949,077	705,757	3,654,834	\$133,600	\$133,600	\$165,572	0.0%	23.9%
T1a. Senior Executive Schedule	21	21	21	18,750	0	0	0	0	18,750	4,588	23,338	\$892,857	\$892,857	\$1,111,333	0.0%	24.5%
T1b. General Schedule	21,431	20,937	20,891	2,848,896	0	0	0	0	2,848,896	678,020	3,526,916	\$136,370	\$136,370	\$168,825	0.0%	23.8%
T1c. Special Schedule	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T1d. Wage System	2,989	1,116	1,162	81,431	0	0	0	0	81,431	23,149	104,580	\$70,078	\$70,078	\$90,000	0.0%	28.4%
T1e. Highly Qualified Experts	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T2. Direct Hire Program Foreign Nationals	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T3. Total Direct Hire	24,441	22,074	22,074	2,949,077	-	-	-	-	2,949,077	705,757	3,654,834	\$133,600	\$133,600	\$165,572	0.0%	23.9%
T4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	444	0	0	0	0	444	0	444	\$222,000	\$222,000	\$222,000	0.0%	0.0%
Subtotal - Total Funded (excludes OC 13)	24,443	22,076	22,076	2,949,521	-	-	-	-	2,949,521	705,757	3,655,278	\$133,608	\$133,608	\$165,577	0.0%	23.9%
T5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5c. Voluntary Separation Incentive Pay	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0
T5d. Foreign National Separation Liability	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Executive Summary for

RDT&E, Air Force

Table 1: Funding Overview

	FY 2025 (\$K)	FY 2026 (\$K)	FY 2027 (\$K)
Discretionary	\$47,038,107	\$50,289,595	\$73,075,614
Mandatory	\$6,487	\$6,705,560	\$1,091,686
Total	\$47,044,594	\$56,995,155	\$74,167,300

Table 2: Detailed Mandatory Breakout

BLI	Reconciliation Bin Title	FY 2025 (\$K)	FY 2026 (\$K)	FY 2027 (\$K)
0101113F	Air Superiority			\$101,100
0101328F	Nuclear		\$100,000	
0207110F	Air Superiority		\$400,000	
0207133F	Air Superiority		\$82,500	
0207146F	Air Superiority		\$40,000	
0207147F	Air Superiority		\$676,750	
0207253F	Air Superiority		\$90,241	
0207325F	Munitions & Supply Chain		\$200,000	
0207697F	Low-Cost Weapons		\$10,000	
0208201F	Low-Cost Weapons		\$12,000	
0303140F	Low-Cost Weapons	\$ 6,487		
0304784F	Low-Cost Weapons		\$23,000	
0305282F	Low-Cost Weapons		\$311,432	

BLI	Reconciliation Bin Title	FY 2025 (\$K)	FY 2026 (\$K)	FY 2027 (\$K)
0401130F	Air Superiority		\$4,410	
0401218F	Air Superiority		\$43,000	
0408011F	Low-Cost Weapons		\$10,000	
0604033F	Munitions & Supply Chain		\$133,334	
0604041F	Low-Cost Weapons		\$285,000	
0604041F	Munitions			\$51,000
0604200F	Low-Cost Weapons		\$80,000	
0604288F	Nuclear		\$64,500	
0604327F	Munitions & Supply Chain		\$154,000	
0604840F	Air Superiority			\$939,586
0604858F	Low-Cost Weapons		\$296,000	
0604860F	Low-Cost Weapons		\$102,000	
0605238F	Nuclear		\$2,189,000	
0901554F	Cyber Security		\$20,000	
9999999	Indopacom		\$42,393	
9999999	Air Superiority		\$121,000	
9999999	Low-Cost Weapons		\$15,000	
9999999	Missile Defense		\$1,200,000	
Mandatory Total		\$6,487	\$6,705,560	\$1,091,686

MANDATORY FUNDING JUSTIFICATION:

The FY 2027 request for Air Force, Research, Development, Test, and Evaluation includes \$73,075,614 thousand of discretionary and \$1,091,686 thousand of mandatory for a total of \$74,167,300.

Air Superiority:

F-35 Go-to-War Development Funding: The \$650 million accelerates the Joint Program Office go-to-war development efforts.

F-35 Block 4 Full Funding: The \$59 million funds the Block 4 sub-program.

F-35 Flight Science Aircraft 1-6: The \$14 million funds F-35 Flight Science Aircraft 1-6.

F-35 Engine Core Upgrade Program: The \$128.4 million funds F-35 Engine Core Upgrade Program.

F-35 Power Thermal Management Upgrade Development: The \$47 million funds the F-35 Power Thermal Management Upgrade program.

F-35 Digital Core: The \$41.4 million funds F-35 Joint Program Office investments in Digital Core.

B-52 Bomber Mission Employment Trainer: The \$73.3 million provides funds to develop and field the Mission Employment Trainer (MET) for the B-52 bomber. The mandatory MET funds will fully fund the continuation of the development of the WST, CPT and virtualization of the OFPs and leverage forward compatible software to develop the MET FoS.

B-52 Bomber Resilient Operational Capabilities Suite: The \$19.8 million provides funds to develop and field the Resilient Operational Capabilities Suite to provide hybrid satellite communications capability for the B-52 bomber. This fully funds the Air Force's portion of the program's first year of EMD efforts to include design reviews, and test asset hardware buys.

B-52 Bomber: The \$8 million provides funds for the Commercial Engine Replacement Program. These funds fully fund the Development effort in FY 2027.

Munitions:

Munitions Acceleration Council (MAC) Low Cost Cruise Missile Development & Procurement: The \$51 million provides funds for the Air Force to complete development of the Family of Affordable Mass Missiles (FAMM).

The FY 2026 spend plan amount for Air Force, Research, Development, Test, and Evaluation includes \$50,289,595 thousand of discretionary and \$6,705,560 thousand of mandatory (reconciliation) for a total of \$56,995,155.

The FY 2025 spend plan amount for Air Force, Research, Development, Test, and Evaluation includes \$47,038,107 thousand of discretionary and \$6,487 thousand of mandatory (reconciliation) for a total of \$47,044,594.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

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
OSW	- Office of the Secretary of War
PACAF	- Pacific Air Forces
USAF	- United States Air Force
USAF A	- 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

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

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

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207412F I Control and Reporting Center (CRC)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	16.441	17.407	18.137	0.000	18.137	18.925	19.329	19.695	20.094	Continuing	Continuing
67485L: CRC Modernization	0.000	16.441	17.407	18.137	0.000	18.137	18.925	19.329	19.695	20.094	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AN/TSY-7 Control and Reporting Center (CRC) is a mobile, ground-based battle management command and control (BMC2) theater air control system (TACS). It is a modular, transportable, and persistent tactical level weapon system which provides direct command and control to air assets in an assigned Area of Responsibility (AOR) and reports back to the Joint Force Air Component Commander (JFACC). The CRC is composed of the following subsystems: AN/TYQ-23A(V)1 Tactical Air Operations Module (TAOM), the AN/TSC-250 Communication Data Link System (CDLS), the AN/TRC-213/214 Remote Radio Secure Voice System (RRSVS), the AN/TPS-75 organic sensor, and associated mission support equipment.

CRC Modernization under this program element (PE) upgrades BMC2, sensors, and communications. This CRC modernization investment integrates the Distributable Battle Management Node (DBMN) and Cloud Based Command and Control (CBC2+) to enable fielding the Tactical Operations Center-Light (TOC-L) capability into CRCs and provide an upgraded, more modular, and threat relevant tactical command and control.

In FY2027, CRC Modernization efforts include, but are not limited to: integration of long-haul SATCOM capability, tactical sensing capabilities, tactical data link upgrades, integration of the Cloud Based Command and Control (CBC2+), modernization of the CRC System Integration Lab (SIL) and CRC Test Bed. Additionally, CRC modifications include keeping the system in compliance with DoD directives, changes in the underlying IT/Cyber Security environment, and any other emerging requirements to remain inter-operable, certified, supportable, and compliant through the development, integration, testing, training, and fielding of equipment related to new CRC capabilities.

Efforts within this PE align with USAF investment in ABMS (0604003F) and Air Base Air Defense Systems (0207522F) to deliver a common hardware and software baseline for DAF BATTLE NETWORK deployable systems.

Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207412F I Control and Reporting Center (CRC)				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		16.856	17.569	0.000	0.000	0.000
Current President's Budget		16.441	17.407	18.137	0.000	18.137
Total Adjustments		-0.415	-0.162	18.137	0.000	18.137
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.415	-0.162			
• Other Adjustments		0.000	0.000	18.137	0.000	18.137
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: CRC Modernization				16.441	17.407	18.137
Description: - Focuses on upgrading of BMC2, sensors, transport cases, support equipment, and communications to allow the fielding of the Tactical Operations Center-Light (TOC-L) capability into CRCs and provide an upgraded, more modular, and threat relevant tactical command and control.						
FY 2026 Plans:						
- Integrate Long-haul SATCOM capabilities						
- Continue interoperability efforts with TOC-L						
- Conduct Modernization studies						
- Continue modernization of the CRC System Integration Lab (SIL)						
FY 2027 Plans:						
- Integrate Long-haul SATCOM capabilities						
- Develop TOC-L compatible remote radio						
- Test and integration of C2 capabilities (e.g., TOC-L)						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207412F <i>I Control and Reporting Center (CRC)</i>						
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
- Develop, Integrate, and test interoperable connection with other C3BM SIL											
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 increase is to support continued CRC modernization efforts.											
Accomplishments/Planned Programs Subtotals								16.441	17.407	18.137	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 833040: <i>Theater Air Control Sys Improvemen</i>	56.143	27.650	11.640	-	11.640	39.258	39.998	40.752	41.566	0.000	257.007
Remarks											
E. Acquisition Strategy - The CRC Capability Roadmap provides for the modernization of the CRC subsystems and will be programmed into phased updates through 2037 to further advance current and future battlespace awareness and tactical battle management command and control capabilities. A variety of contract and organic vehicles will be used depending on type of effort and skills required. The Milestone Decision Authority is the Air Force Program Executive Office for command, control, communications and battle management (AFPEO C3BM) and the Air Force Life Cycle Management Center (AFLCMC) is the Contracting Authority.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207412F / Control and Reporting Center (CRC)				Project (Number/Name) 67485L / CRC Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRC Modernization	Various	Multiple : Multiple	-	2.102	May 2025	6.738	Apr 2026	6.841	Dec 2026	-		6.841	Continuing	Continuing	-
System Integration Lab (SIL)	PO	520 SWEG : Hill AFB, UT	-	1.508	Apr 2025	2.400	Mar 2026	1.067	Apr 2027	-		1.067	Continuing	Continuing	-
RRSVS Major Release 2 (MR 2) Architectural Upgrade	MIPR	NAWC : Patuxent River, MD	-	3.485	Mar 2025	-		-		-		-	Continuing	Continuing	-
Link 22 Integration	C/FFP	TBD : TBD	-	1.596	May 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	8.691		9.138		7.908		-		7.908	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority (DCA) - Additional 10 Civilian Positions	RO	Various : Hill AFB, UT	-	1.869	Oct 2024	2.712	Oct 2025	2.379	Oct 2026	-		2.379	Continuing	Continuing	-
Cyber Support	MIPR	Not specified. : TBD	-	0.100	May 2025	0.000	May 2026	0.000	May 2027	-		0.000	Continuing	Continuing	-
Subtotal			-	1.969		2.712		2.379		-		2.379	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRC Modernization Test Support	Various	Various : Various	-	0.671	May 2025	0.900	May 2026	1.800	May 2027	-		1.800	Continuing	Continuing	-
Subtotal			-	0.671		0.900		1.800		-		1.800	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207412F / Control and Reporting Center (CRC)						Project (Number/Name) 67485L / CRC Modernization			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Booz Allen Hamilton	C/FP	Not specified. : TBD	-	2.793	Aug 2025	1.809	Aug 2026	0.000	Aug 2027	-		0.000	Continuing	Continuing	-
PMA	Various	Not specified. : TBD	-	0.100	Dec 2024	2.100	Dec 2025	1.350	Dec 2026	-		1.350	Continuing	Continuing	-
Odyssey	C/FP	Not specified. : TBD	-	2.217	Jul 2025	0.748	Jul 2026	4.700	Jul 2027	-		4.700	Continuing	Continuing	-
Subtotal			-	5.110		4.657		6.050		-		6.050	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	16.441		17.407		18.137		-		18.137	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0207412F / Control and Reporting Center (CRC)					67485L / CRC Modernization									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CRC Modernization																												
Design, Development, Integration, and Test																												
RRSVS Architectural Upgrade																												
Design, Development, Integration, and Test																												
System Integration Lab																												
Design, Development, Integration, and Test																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207412F / Control and Reporting Center (CRC)	Project (Number/Name) 67485L / CRC Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CRC Modernization				
Design, Development, Integration, and Test	1	2025	4	2030
RRSVS Architectural Upgrade				
Design, Development, Integration, and Test	1	2025	4	2025
System Integration Lab				
Design, Development, Integration, and Test	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207418F I AFSPECWAR - TACP							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	1.380	0.000	5.206	0.000	5.206	0.990	0.509	0.548	0.000	Continuing	Continuing
675234: TACP Support	0.000	1.380	0.000	5.206	0.000	5.206	0.990	0.509	0.548	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

a. The Joint Terminal Control Training and Rehearsal (JTC TRS) Program, under the Tactical Airborne Control System, funds development necessary to provide a Distributed Mission Operations (DMO) capable, high-fidelity simulator for Special Warfare airmen, to include Tactical Air Control Party (TACP), Special Tactics Combat Control Team (CCT), Joint Terminal Attack Controller (JTAC) operations and Air Support Operations Center (ASOC) operations.

JTC TRS is essential to provide initial training, mission qualification training, continuation training, and currency control requirements to JTACs and Special Tactics personnel. JTAC control training requirements exceed the ability of live-fly aircraft to meet, and JTC TRS is the only capability enabling JTACs to achieve and maintain minimum required training for both qualification and proficiency in accordance with the U.S and Partner Nation Memorandum of Agreement for JTAC certification and qualification.

The JTC TRS Program provides research and development to facilitate interoperability with joint and sister Service air-ground simulation using industry standards. JTC TRS will provide the capability to network aircrew full mission trainers and training centers in a live-virtual-constructive network. This development effort will also integrate ASOCs with the Joint Theater Air Ground Simulation System (JTAGSS) trainer for Joint Fires integration. The simulator will supplement live field training and live-fly sorties to provide realistic introductory, proficiency, currency, and upgrade training in a simulated battlefield, disaster, or humanitarian relief environment.

b. JTAGSS is a continuation of the ASOC simulation trainer initially funded in 2009 and complements the JTC TRS trainer by providing a total air-ground constructive simulation environment for integrated networked training and mission rehearsal capability that will develop TACP/CCT/JTAC and ASOC/Special Operations Forces (SOF) Command and Control (C2) battle staff skills. JTAGSS will provide the ASOC, SOF, and TACP with the vertical and horizontal C2 communications and coordination training and mission rehearsal required for mission effectiveness. There are insufficient exercises and live training events available to meet mandated readiness requirements. The system will include a secure network connection, a constructive simulation environment generator with sharable databases, computer workstations that have synthetic reflex agent applications for each ASOC/SOF crew position to execute the Air Tasking Order.

Funds may be used to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues. DMS efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards initiative.

FY2027 funding will continue development of AI-based Reflex Agent Manager/Role Player and both the development and integration of WARHAWK into JTAGSS Command and Control Trainers to implement the Joint Air Ground Integration Center (JAGIC). Funds may be used to address emerging and short notice Diminishing

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207418F I AFSPECWAR - TACP					
Manufacturing Sources and Material Shortage (DMSMS) issues. DMS efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards initiative.							
In FY2026 funding (\$4.108 Million) for BA 07 Project 0207418F was transferred to BA 07 Project 0207457F in order to consolidate special warfare programs.							
In FY2027, PE 0207457F, (AF Special Warfare (SPECWAR), Project 675234 (TACP Support) efforts were transferred back to PE 0207418F, (AFSPECWAR-TACP), Project 675234, (TACP-Support), in order to better align these efforts.							
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.							
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.							
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		1.433	0.000	0.000	0.000	0.000	
Current President's Budget		1.380	0.000	5.206	0.000	5.206	
Total Adjustments		-0.053	0.000	5.206	0.000	5.206	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		-0.053	0.000				
• Other Adjustments		0.000	0.000	5.206	0.000	5.206	
Change Summary Explanation							
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: JTC TRS Trainer Development					1.380	0.000	5.206

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207418F I AFSPECWAR - TACP							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Description: Development and test of Engineering Change Proposals for Tactical Air Control Party (TACP)-Close Air Support System (CASS). FY 2026 Plans: - Continue development of AI-based Reflex Agent Manager/Role Player - Continue the development and integration of WARHAWK into JTAGSS Command and Control Trainers and implementation of advanced Air Support Operations Center (ASOC) capabilities. - Continue to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues, to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. - Continue to implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards initiative. FY 2027 Plans: -Will continue development of AI-based Reflex Agent Manager/Role Player -Will continue the development and integration of WARHAWK into JTAGSS Command and Control Trainers and implementation of advanced Air Support Operations Center (ASOC) capabilities. -Will use funds as needed to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues, to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. -Will implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards initiative. FY 2026 to FY 2027 Increase/Decrease Statement: In FY2026, \$4.108 was transferred from BA 07 Project 0207418F to BA 07 Project 0207457F as part of a consolidation of special warfare efforts. The FY2027 funding increase of \$1.098 above FY26 funding supports dome projector obsolescence and DACAS message implementation that was not included in the initial government provided software and fielding.											
Accomplishments/Planned Programs Subtotals							1.380	0.000	5.206		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 837100: Tactical C-E Equipment	3.620	3.640	3.810	-	3.810	2.445	2.493	2.542	-	Continuing	Continuing

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207418F / AFSPECWAR - TACP						
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOO</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
Remarks E. Acquisition Strategy The Joint Terminal Control Training and Rehearsal System (JTC TRS) acquisition has provided full capability as defined in the Capability Production Document (CPD). A Full and Open competitive source selection was conducted and resulted in the award of a single contract to produce and sustain the JTC TRS family of systems. The contract includes pre-priced production options for additional JTC TRS production, Emulated Military Equipment (EME) program management, cybersecurity support, Contractor Logistic Support (CLS), Training System Support Center (TSSC) for both JTC TRS, and JTAGSS devices, training, and device relocation. The contract structure allows for maintaining concurrency, fidelity and connectivity; implementing system improvements/technical refresh; and other modifications as required. JTC TRS awarded the competitive contract in June 2021. b. The acquisition strategy for the JTAGSS trainer will be to field advance technology demonstration units to continue to perform proof of concept and technology validation of mission simulations for all Air Support Operations Center (ASOC) crew positions including detailed communications planning, asset deconfliction, integration of joint fires, and other critical mission areas required for integrated Tactical Air Control Party/Air Support Operations Center (TACP/ASOC) Command and Control (C2) mission success. At the completion of the technology validation, a contract will be competitively awarded to complete JTAGSS development, deployment and integration. Current software is Government or Commercial Off-the-Shelf technologies (GOTS/COTS) allowing almost any training technology development company to compete, which lowers technical risk, schedule risk, and cost.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207418F / AFSPECWAR - TACP				Project (Number/Name) 675234 / TACP Support					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JTC TRS Trainer Development	C/FFP	AFLCMC/WNS, AFMC : Wright Patterson AFB, OH	-	1.230	Mar 2025	-		5.041	Mar 2027	-		5.041	Continuing	Continuing	-
Subtotal			-	1.230		-		5.041		-		5.041	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	Various	AFLCMC/WNS, AFMC : Wright Patterson AFB, OH	-	0.150	Feb 2025	-		0.165	Mar 2027	-		0.165	Continuing	Continuing	-
Subtotal			-	0.150		-		0.165		-		0.165	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.380		-		5.206		-		5.206	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0207418F / AFSPECWAR - TACP

Project (Number/Name)
675234 / TACP Support

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JTC TRS Trainer Development																												
Develop and Test TACP Engineering Change Proposals																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207418F / AFSPECWAR - TACP	Project (Number/Name) 675234 / TACP Support

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JTC TRS Trainer Development				
Develop and Test TACP Engineering Change Proposals	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207431F <i>I Combat Air Intelligence System Activities</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	25.049	35.646	33.700	0.000	33.700	35.280	36.314	37.000	37.773	Continuing	Continuing
675307: <i>TARGETING ENTERPRISE RESEARCH</i>	0.000	24.205	34.784	32.815	0.000	32.815	34.363	35.379	36.049	36.803	Continuing	Continuing
675309: <i>GEO Info & Serv Software</i>	0.000	0.844	0.862	0.885	0.000	0.885	0.917	0.935	0.951	0.970	Continuing	Continuing

A. Mission Description and Budget Item Justification

The mission of Combat Air Intelligence Systems (CAIS) is to process, analyze, and disseminate full spectrum intelligence for air component and unit operations worldwide by providing key intelligence infrastructure, access, and production capabilities for the supported and supporting forces for air, space, and cyber operations to joint force operations. CAIS is focused on providing the intelligence infrastructure, systems, and training to Air Force Major Commands, Intelligence, Cyber and Space Squadrons, Field Operating Agencies, and subordinate units.

Modernization is required for CAIS enterprise capabilities, to keep pace with evolving Government Off the Shelf (GOTS) components, integrated Commercial Off the Shelf (COTS) components, Department of War (DoW) directives, and changes in the underlying Information Technology (IT) environment. The objective is to continuously deliver effective operational capabilities for the user. In Summer of FY20, the decision was made to transition from Middle Tier Acquisition (MTA), Sec 804 Rapid Prototyping/Fielding to the new NDAA FY20 - Software Acquisition Pathway, which is the preferred path for acquisition and development of software-intensive systems. In October 2021, Kessel Run Air Domain was authorized by the Service Acquisition Executive to enter the Software Acquisition Pathway in the Execution Phase.

Kessel Run is part of the overarching 0207431F portfolio.

*PY (FY2025) AF JWICS/AF SCI PE:0305249F was established. As part of establishment USAF requested the transfer of 7.693M from AF JWICS/AF SCI (0305249F) to CAIS (0207431F) based on the re-distribution of program responsibilities for Unit-level continuous development.

*CAIS funding associated with BA04 PE 0204731F BPAC 640141. The Air Force requested to Congress a transfer of the remaining FY25 funds (18.733M) to its actual PE AF ISR DI (0303010F).

Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207431F <i>I Combat Air Intelligence System Activities</i>

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	25.049	33.601	0.000	0.000	0.000
Current President's Budget	25.049	35.646	33.700	0.000	33.700
Total Adjustments	0.000	2.045	33.700	0.000	33.700
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-5.648			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	7.693			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	33.700	0.000	33.700

Change Summary Explanation

N/A

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities				Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675307: TARGETING ENTERPRISE RESEARCH	0.000	24.205	34.784	32.815	0.000	32.815	34.363	35.379	36.049	36.803	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Provides support to personnel utilizing Target Development, Planning, and Execution applications; Unit Level Intelligence; Tactical Intelligence Applications; shorten the kill chain through automation and direct support to national, combatant command, and Air Force intelligence missions.

Funds enhanced dynamic F2T2EA sensor-to-shooter intel and advanced training on cloud-based apps to shorten LRKC with automated and AI-enabled Sensing Grid/targeting tools and applications. Analyzes, visualizes, and shares National, Tactical, and open source Intel to close the capability gap against adversary's truncated kill chains.

JTIM provides funding for the development of Joint Targeting Toolbox-Capabilities Package (JTT-CP) and WARPATh tools. JTT is the current capability providing the joint targeting community Intermediate Target Development (ITD), Advanced Target Development (ATD), Target List Management (TLM), and Target Folder Development capabilities. It also supports premise installation on coalition networks and Foreign Military Sales (FMS). The JTT program provides the current (legacy) functions until the integrated JTIM capabilities are fielded. Target List Management and Enterprise Workflow were shifted from the JTT program to WARPATh to keep pace with the JTIM Integrated Master Schedule (IMS). Funding for WARPATh comes from the original JTT budget, which is managed at ACC. Full funding will allow both programs to field capabilities in FY25, then in FY26 they will merge into one enterprise program providing capabilities to the Joint Targeting Community.

Conducts limited early R&D for tools and workflow, initial cloud and data structure architecture, initial implementation of Sensor-to-shooter concept to accelerate kill chain for at scale dynamic execution, TTP development for targeting in an agile combat environment in the "lead wing concept", and enhanced target mensuration development to improve speed and capacity for target location. Funds dynamic F2T2EA S2S intelligence and advanced training on cloud-based application to shorten LRKC with automated/AI-enabled sensing-grid and targeting/applications. Analyzes, visualizes, and shares national, tactical, and open source intelligence to close the capability gap against adversary's truncated kill-chains.

This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute, and deliver Targeting Intelligence for emergent or unanticipated weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024, 1.511M was expended for civilian pay expenses in this program element, and in FY 2025, 1.750M is forecasted for civilian pay expenses in this program element."

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: ACC Joint Targeting Intelligence Modernization/Joint Targeting Toolbox (JTT)	0.002	3.035	3.104

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities	Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Joint Targeting Intelligence Modernization (JTIM) provides funding for the development of Joint Targeting Toolbox-Capabilities Package (JTT-CP) and WARPATH tools. JTT is the current capability providing the joint targeting community enterprise with Intermediate Target Development (ITD), Advanced Target Development (ATD), Target List Management (TLM), and Target Folder Development capabilities. It also supports pairity and installation on Coalition-Partner networks and Foreign Military Sales (FMS). The JTT program provides the current (legacy) functions until the integrated JTIM capabilities are fielded and integrated with Machine-Assisted Rapid-Repository System (MARS). Development and integration of Target List Management functions, Enterprise Target Element/Object standards, and Target Development Workflows are continuing from the JTT program to WARPATH to keep pace with the JTIM Integrated Master Schedule (IMS). Funding for WARPATH comes from the original JTT budget, which is managed at ACC. Full funding will allow both programs to develop and integrate field capabilities in FY26, and will merge into one enterprise program providing capabilities to the Joint Targeting Enterprise along with MARS development. FY 2026 Plans: Continued development and integration of JTTv5 (JTT-CP) and v6 capabilities into WARPATH Target List Management capability. USAF requested and Congress reprogrammed erroneous FY26 funds (7.693M) from AF JWICS/AF SCI Enterprise (PE:0305249F) back to CAIS (PE:0207431F). Additionally, USAF has reprogrammed these funds back into CAIS in the out-years FY27+in order to maintain continued unit-level and targeting enterprise development. FY 2027 Plans: Continued integration and development of JTTv6. In FY27 WARPATH development till move to the US Navy for continued development dedicated to Target List Management and Target Element Workflow capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding increase due to inflation.				
Title: ACC Kill Chain Automation		17.744	26.171	25.164
Description: Conducts limited early RDT&E for tools and workflow, initial cloud and data structure architecture, initial implementation of "Long-Range Kill Chain (LRKC) Sensor-to-Shooter (S2S)" concept.				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities		Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
This is designed to accelerate kill chains to-up scale dynamic execution, increase the scope (aka the number of simultaneous targets), develop Tactics, Techniques, and Procedures (TTPs) for targeting in the Agile Combat Environment (ACE), and enhanced target mensuration development to improve speed and capacity for target location. Funds dynamic Find-Fix-Target-Track-Engage-Assess (F2T2EA) S2S intelligence and advanced training on cloud-based application to shorten LRKC with automated/AI-enabled sensing-grid and targeting/applications. Analyzes, visualizes, and shares national, tactical, and open source intelligence to close the capability gap against adversary's truncated kill-chains. FY 2026 Plans: Continue Kill Chain Acceleration/Automation efforts between the Intelligence Unit-Level and greater Air and Joint Forces community. Enhance F2T2EA S2S intelligence systems of record/programs of primacy focusing on data standardization, Object/Element normalization, and systems integration. Additionally, supports development for training on applications to shorten and automate long range kill chains in accordance with current operations and Joint Warfighting Concepts 3.0. This includes intelligence Unit-level-to-National integration of: Turbo (Disposition-of-Forces Object/Elements); Cognos (Algorithmic/AI data visualization and system insight analysis); Snapglass (Common Intelligence/Operating Picture and algorithmic/relationship analysis); Katana (dynamic strike custody, target reporting, and decision-making optimization); FADE/MIST (Unit-level data analysis and alerting for custom/combined mission integration); Odysseus (Automatic Target Recognition and machine enhanced Category 1 (one) target coordinate generation); IDEX 2.0 (ISR Collection and Operational Control/Management); and Kraken (Joint All Domain Integrate ISR feasibility, planning, and optimization automation) FY 2027 Plans: Continue Kill Chain automation support to enhance F2T2EA S2S intelligence, integration with C3BM and DAF Battle Net along with training on applications to shorten and automate long range kill chains. Enhance F2T2EA S2S intelligence systems of record/programs of primacy focusing on data standardization, Object/Element normalization, and systems integration. Additionally, supports development for training on applications to shorten and automate long range kill chains in accordance with current operations and Joint Warfighting Concepts 3.0. This includes intelligence Unit-level-to-National integration of: Turbo (Disposition-of-Forces Object/Elements); Cognos (Algorithmic/AI data visualization and system insight analysis); Snapglass (Common Intelligence/Operating Picture and					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207431F / <i>Combat Air Intelligence System Activities</i>	Project (Number/Name) 675307 / <i>TARGETING ENTERPRISE RESEARCH</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
algorithmic/relationship analysis); Katana (dynamic strike custody, target reporting, and decision-making optimization); FADE/MIST (Unit-level data analysis and alerting for custom/combined mission integration); Odysseus (Automatic Target Recognition and machine enhanced Category 1 (one) target coordinate generation); IDEX 2.0 (ISR Collection and Operational Control/Management); and Kraken (Joint All Domain Integrate ISR feasibility, planning, and optimization automation)			
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 budget increase.			
Title: Kessel Run Targeting Research, Modernization, and SoftWare Pathways		5.457	5.578
Description: Conduct Targeting Enterprise Research and advancement for projects such as: 1. Joint Targeting Toolbox (JTT) [In both the Global Command and Control System Joint (GCCS-J) and Stand-alone configurations-JTT-Capability Package (JTT-CP) and JTT codebase re-architecture] 2. Unit-Level Intelligence (ULI) systems: Toolbox for Intelligence Targeting Analysis (TITAN) 3. Targeting Application Workstation (TAW) as the hardware system hosting the Joint Staff Targeting programs of record. This budget item also funds emerging targeting capabilities such as Target System Analysis (TSA) and Targeting Enterprise software application modernization efforts. Provides support to personnel using Geo-spatial Resources utilized in Geospatial Intelligence (GEOINT) databasing applications, technology exploration and refresh initiatives, geospatial imagery data management and dissemination architecture, geospatial information and services modernization, and enablers for intel and targeting capabilities. Provides support to the MAJCOMs to ensure requisite and available target intelligence and GEOINT tools for information directly available to warfighters.			4.547
FY 2026 Plans: Continue the phased modernization of JTT-CP capabilities within the Targeting & Geo-spatial (T&G) portfolio, expand developmental test automation, and migration to Continuous Integration/DevOps environment to support continuous delivery to the warfighter.			
FY 2027 Plans: Continue the phased modernization of JTT-CP capabilities within the Targeting & Geo-spatial (T&G) portfolio, expand developmental test automation, and migration to Continuous Integration/DevOps environment to support continuous delivery to the warfighter on all information networks.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207431F / <i>Combat Air Intelligence System Activities</i>			Project (Number/Name) 675307 / <i>TARGETING ENTERPRISE RESEARCH</i>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
FY 2027 increase due to inflation.											
Title: AF ISR Digital Infrastructure (DI) Description: SCI Cloud services -Leveraging IC-governed commercial cloud enterprise capability, provides a common and robust foundation for agile ISR and C2 operations requiring SCI data, across the globe. Invests in engineering, security and architectural expertise to provide a fully managed, redundant and secure development, security and operations environment to rapidly develop and deploy mis-sion applications. Provides identity access management, security and secure commercial cloud services, as well as customer service and support to tenants, who fund their use. FY 2026 Plans: There is no AF ISR DI (PE:0303010) funding in Fy26 and beyond. (0303010F was established in FY25) FY 2026 to FY 2027 Increase/Decrease Statement: N/A.							1.002	0.000	-		
Accomplishments/Planned Programs Subtotals							24.205	34.784	32.815		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 832070: <i>Intelligence Comm Equipment</i>	12.066	6.848	8.631	-	8.631	6.693	6.691	7.100	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The acquisition strategy builds on agile software engineering methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Using Section 804, timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. In Summer of FY20, the decision was made to transition from MTA, Sec 804 Rapid Prototyping/Fielding to the new NDAA FY20 - Software Acquisition Pathway, which is the preferred path for acquisition and development of software-intensive systems. In October 2021, Kessel Run Air Domain was authorized by the Service Acquisition Executive to enter the Software Acquisition Pathway in the Execution Phase. This program is part of the overarching Kessel Run portfolio and is dependent on the All Domain Common Platform (ADCP). The ADCP provides an extensible cloud-based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities				Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ACC Kill Chain Automation	TBD	ACC : TBD	-	17.746	Jan 2025	26.171	Jan 2026	26.164	Jan 2027	-		26.164	Continuing	Continuing	-
Joint Targeting Intelligence Modernization (JTIM)/Joint Targeting Toolbox (JTT)	TBD	ACC : TBD	-	0.000	Oct 2025	3.035		1.940		-		1.940	Continuing	Continuing	-
JTT	SS/CPFF	BAE Systems : Rockville, MD	-	-		-		-		-		-	Continuing	Continuing	-
Software Development (Legacy/ENDOR)	C/T&M	Various : Boston, MA	-	2.315	Dec 2024	2.396	Dec 2025	1.480	Dec 2026	-		1.480	Continuing	Continuing	-
Software Development (Other Direct Support)	MIPR	NIWC Pacific : San Diego, CA	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	20.061		31.602		29.584		-		29.584	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Civilian Direct Cite Authority	Reqn	AFLCMC : WPAFB, OH	-	1.614	Oct 2024	1.881	Oct 2025	1.923	Oct 2026	-		1.923	Continuing	Continuing	-
Federally Funded Research & Development Center (FFRDC) Engineers	C/CPFF	MITRE : Hanscom AFB, MA	-	-		-		-		-		-	Continuing	Continuing	-
Advisory & Assistance Services	C/CPFF	Odyssey : Boston, MA	-	0.248	Jul 2025	0.602	Jul 2026	0.616	Jul 2027	-		0.616	Continuing	Continuing	-
Platform One/NGA Support	Various	Various : Hanscom AFB, MA	-	0.468	Mar 2025	0.205	Mar 2026	0.210	Mar 2027	-		0.210	Continuing	Continuing	-
AF ISR DI	TBD	Not specified. : Hanscom AFB, MA	-	1.002		-		-		-		-	Continuing	Continuing	-
Subtotal			-	3.332		2.688		2.749		-		2.749	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities				Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Test Support	PO	45th Test Squadron : Eglin AFB, FL	-	0.796	Dec 2024	0.478	Dec 2025	0.466	Dec 2026	-		0.466	Continuing	Continuing	-
Subtotal			-	0.796		0.478		0.466		-		0.466	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support	Various	Program Management Office : Hanscom AFB, MA	-	0.016	Nov 2024	0.016	Nov 2025	0.016	Nov 2026	-		0.016	Continuing	Continuing	-
Subtotal			-	0.016		0.016		0.016		-		0.016	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	24.205		34.784		32.815		-		32.815	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207431F / Combat Air Intelligence System Activities					675307 / TARGETING ENTERPRISE RESEARCH			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Kessel Run Targeting																												
Software/Hardware Development																												
Test and Evaluation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities	Project (Number/Name) 675307 / TARGETING ENTERPRISE RESEARCH	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Kessel Run Targeting</i>				
Software/Hardware Development	1	2025	4	2030
Test and Evaluation	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities				Project (Number/Name) 675309 / GEO Info & Serv Software			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675309: GEO Info & Serv Software	0.000	0.844	0.862	0.885	0.000	0.885	0.917	0.935	0.951	0.970	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Provides support to personnel using Geospatial resources utilized in Geospatial Intelligence (GEOINT) databasing applications, technology exploration and refresh initiatives, geospatial imagery data management and dissemination architecture, geospatial information and services modernization, and enablers for intel and targeting capabilities. Provides support to the MAJCOMs to ensure requisite and available target intelligence and GEOINT tools for information directly available to warfighters.

The GEOINT information and service software program funds the Air Force Enhanced Geospatial Product Library (EGPL) which is currently fielded to all combatant command air components and subordinate units supporting global air operations. The EGPL provides digital GEOINT data to support mission planning, targeting & intelligence in support of mission objectives.

The Enhanced Geospatial Product Library (EGPL) is world-wide distributed United States Air Force (USAF) repository for geospatial products from the National Geospatial Intelligence Agency (NGA) and other government sources. Its purpose is to provide the Geospatial Intelligence (GEOINT) information needed by the Air Force (AF) and other DoD command and control systems. EGPL is on premise, continuously updated, NGA Foundational GEOINT data seamlessly accessible via shared drive or browser.

Funds enhanced dynamic F2T2EA S2S intel and advanced training on cloud-based apps to shorten LRKC with automated and AI-enabled Sensing Grid/targeting tools and applications. Analyzes, visualizes, and shares National, Tactical, and open source Intel to close the capability gap against adversary's truncated kill chains.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Kessel Run Enhanced Geospatial Product Library (EGPL)	0.844	0.862	0.885
Description: Provide continuing support for EGPL software and storage to meet future and evolving IT and GEOINT standards and support.			
FY 2026 Plans: Provide continuing support for software pathways to meet future and evolving IT and GEOINT standards and support.			
FY 2027 Plans: Provide continuing support for software pathways to meet future and evolving IT and GEOINT standards and support.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207431F / <i>Combat Air Intelligence System Activities</i>				Project (Number/Name) 675309 / <i>GEO Info & Serv Software</i>			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
Contractor rate adjustments and inflationary increase											
Accomplishments/Planned Programs Subtotals								0.844	0.862	0.885	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 832070:	12.066	6.848	8.631	-	8.631	6.693	6.691	7.100	-	Continuing	Continuing
832070 INTELLIGENCE											
COMMUNICATIONS EQUIPMENT											
Remarks											
D. Acquisition Strategy											
The acquisition strategy builds on agile software engineering methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Using section 804, timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. The desired end state is continuous delivery of Software. In Summer of FY20, the decision was made to transition from MTA, Sec 804 Rapid Prototyping/Fielding to the new NDAA FY20 - Software Acquisition Pathway, which is the preferred path for acquisition and development of software-intensive systems. In October 2021, Kessel Run Air Domain was authorized by the Service Acquisition Executive to enter the Software Acquisition Pathway in the Execution Phase. This program is part of the overarching Kessel Run portfolio and is dependent on the All Domain Common Platform (ADCP). The ADCP provides an extensible cloud-based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities						Project (Number/Name) 675309 / GEO Info & Serv Software			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advisory & Assistance Services	C/CPFF	Odyssey : Boston, MA	-	0.844	Jul 2025	0.862	Jul 2026	0.885	Jul 2027	-		0.885	Continuing	Continuing	-
Subtotal			-	0.844		0.862		0.885		-		0.885	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.844		0.862		0.885		-		0.885	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207431F / Combat Air Intelligence System Activities					675309 / GEO Info & Serv Software			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Geolnt																												
Software Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207431F / Combat Air Intelligence System Activities	Project (Number/Name) 675309 / GEO Info & Serv Software

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Geolnt				
Software Development	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207438F I Theater Battle Management (TBM) C4I							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	4.249	6.698	7.014	0.000	7.014	5.782	5.893	6.005	6.125	Continuing	Continuing
675218: Applications Development	0.000	4.249	6.698	7.014	0.000	7.014	5.782	5.893	6.005	6.125	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds joint partner requirements of the Air Operations Center (AOC) Weapon System Modification effort. Applications Development efforts deliver capabilities identified in the 2013 Joint Command and Control Capability Development Document (CDD) and are executed as a Software Acquisition Pathway program. Applications Development provides worldwide operational capabilities for Air Force Command and Control (C2) in support of DoW, Coalition Partners, and other government agencies. These efforts focus on support to the Joint Forces Air Component Commander (JFACC), who provides air, space and cyber support to other Air Force and Joint Services C2 systems. This program is dependent on the All Domain Common Platform (ADCP), which provides an extensible cloud-based infrastructure and platform as a service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.

In FY 2027, Applications Development will focus on providing necessary software capabilities to build, disseminate, and execute the Master Air Attack Plan (MAAP). Applications Development also provides an Airspace Management tool used for building airspaces, evaluating requests, and instantaneously generating the Airspace Control Order (ACO). These efforts deliver modern software for inclusion to the AOC Weapon System modifications program to replace the Master Air Attack Plan-Toolkit (MAAPTK) and components of Theater Battle Management Core System - Force Level (TBMCS FL).

Efforts within this program align with and depend upon USAF investment in Mission Planning Systems (PE 0208006F), Air Operations Center (PE 0207410F), All Domain Common Platform (0303248F), Command and Control Incident Management Emergency Response Application (C2IMERA) (0305836F). Advanced Battle Management System (ABMS) (0604003F) and Flight Ops (PE 0207461F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities necessary for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funding would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2025 0.000 million was expended for civilian pay expenses in this program element, and in FY 2026 0.000 million is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207438F I Theater Battle Management (TBM) C4I				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	4.401	6.787	0.000	0.000	0.000	
Current President's Budget	4.249	6.698	7.014	0.000	7.014	
Total Adjustments	-0.152	-0.089	7.014	0.000	7.014	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	-0.089				
• Other Adjustments	-0.152	0.000	7.014	0.000	7.014	
Change Summary Explanation						
The FY 2026 President's Budget did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: C2 Applications Development				4.249	6.698	7.014
Description: Employ agile software development methodologies to engineer, integrate, and test modern C2 software capabilities leveraging test-driven development. Provide engineering solutions, test, and deliver effective operational C2 capabilities utilizing continuous integration and continuous delivery (CI/CD) processes.						
FY 2026 Plans:						
Delivered software to Air Operations Center Weapon System (AOC WS) Modifications to incrementally replace Master Air Attack Plan-Toolkit (MAAPTK) and portions of Theater Battle Management Core System - Force Level (TBMCS FL).						
FY 2027 Plans:						
-Will continue to deliver software to the larger AOC WS Modifications program under PE 0207410F to incrementally replace MAAPTK and portions of TBMCS FL.						
-Will support AOC transition from legacy to modernized systems.						
FY 2026 to FY 2027 Increase/Decrease Statement:						
FY 2027 funding increased by \$0.227 million due to inflationary adjustments.						
Accomplishments/Planned Programs Subtotals				4.249	6.698	7.014

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207438F / <i>Theater Battle Management (TBM) C4I</i>						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 833140: <i>Strategic Command And Control</i>	5.431	1.861	1.905	-	1.905	16.314	15.992	29.840	0.000	Continuing	Continuing
• RDTE 07 0303248F: <i>All Domain Common Platform</i>	82.927	79.294	87.352	-	87.352	77.998	80.249	78.980	0.000	Continuing	Continuing
Remarks											
E. Acquisition Strategy The acquisition strategy builds on agile development and modification of existing capabilities using evolutionary acquisition to standardize and modernize Command and Control (C2) Applications Development. C2 Applications Development will operate as a Software Acquisition Pathway program. Program management for the C2 Applications Development is under direction of Program Executive Office (PEO) Digital, located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for C2 Applications Development. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207438F / Theater Battle Management (TBM) C4I				Project (Number/Name) 675218 / Applications Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2AOS-C2IS Agile Software Development	C/T&M	Multiple : Multiple	-	3.958	Oct 2024	6.364	Oct 2025	6.492	Oct 2026	-		6.492	Continuing	Continuing	-
Subtotal			-	3.958		6.364		6.492		-		6.492	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	Various	AFLCMC : Hanscom AFB, MA : TBD	-	0.291	Nov 2024	0.334	Oct 2025	0.522	Oct 2026	-		0.522	Continuing	Continuing	-
Subtotal			-	0.291		0.334		0.522		-		0.522	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.249		6.698		7.014		-		7.014	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207438F / Theater Battle Management (TBM) C4I		Project (Number/Name) 675218 / Applications Development	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Applications Development																												
C2 Applications Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207438F / Theater Battle Management (TBM) C4I	Project (Number/Name) 675218 / Applications Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Applications Development				
C2 Applications Development	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207439F I Electromagnetic Warfare Int Reprog (EWIR)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	13.081	38.639	73.523	0.000	73.523	74.308	79.044	83.427	84.903	Continuing	Continuing
673310: <i>Electronic Warfare Integrated Reprogram RDT&E</i>	0.000	13.081	13.627	16.309	0.000	16.309	15.989	19.898	22.799	23.261	Continuing	Continuing
677722: <i>Multispectral Sensing</i>	0.000	0.000	19.772	34.813	0.000	34.813	35.579	36.108	36.889	37.395	Continuing	Continuing
67775A: <i>Sensing and Spectrum Warfare Technology</i>	0.000	0.000	5.240	22.401	0.000	22.401	22.740	23.038	23.739	24.247	Continuing	Continuing

Note

This program, BA 7, PE 0207439F, project 677722, EMSO Assessments, is a new start.

In FY 2026, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Theater Capabilities efforts were transferred to PE 0208007F, Tactical Deception, Project 674550, in order to consolidate work in this capability field into the same PE.

In FY 2026, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Airbase Kits efforts were transferred to PE 0208007F, Tactical Deception, Project 674550, in order to consolidate work in this capability field into the same PE.

A. Mission Description and Budget Item Justification

Electromagnetic Warfare Integrated Reprogramming (EWIR) postures for the future of reprogramming by reducing risk through repairing and rebuilding existing Electronic Warfare (EW) programs and modernizing the Electromagnetic Spectrum and Electronic Warfare enterprise.

This program creates new EW/Electromagnetic Spectrum Operations (EMSO) capabilities and conducts prototyping activities on emerging and enabling technologies to inform future EMSO capabilities.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements, but not limited to, 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	13.577	60.072	0.000	0.000	0.000
Current President's Budget	13.081	38.639	73.523	0.000	73.523
Total Adjustments	-0.496	-21.433	73.523	0.000	73.523
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-20.903			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.496	-0.530			
• Other Adjustments	0.000	0.000	73.523	0.000	73.523

Change Summary Explanation

The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.

FY2026 Congressional Reucdtion of \$20.903 million for Multispectral sensing insufficient information.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>				Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673310: <i>Electronic Warfare Integrated Reprogram RDT&E</i>	0.000	13.081	13.627	16.309	0.000	16.309	15.989	19.898	22.799	23.261	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Electronic Warfare Integrated Reprogramming (EWIR) program element hosts the Department of War (DoW's) first System of System Technology Integration Tool Chain for Heterogeneous Electronic Systems (STITCHES) project. STITCHES is a fully government developed, owned, maintained, and open-source Modular Open Systems Architecture (MOSA) toolchain and multi-classification information system that creates new capabilities by integrating incompatible DoW fielded systems and architectures together without the need to modify system source code. STITCHES' separable and community-based databases allow disparate teams across the DoW to utilize STITCHES in separate security levels without co-mingling data. The STITCHES project utilizes the STITCHES Warfighter Application Team (SWAT) at Cyber and Networks (C&N) PEO, Special Programs Divisions, Kill Chain Branch (AFLCMC/HNJJ) as an integration team employing, maintaining, and instructing other teams in the DoW how to use the STITCHES integration platform. AFLCMC/HNJJ will utilize the STITCHES interoperability software on systems both within and external to AFLCMC/HNJJ and deploy and maintain the capabilities created to the requesting organizations. The Program Management Office (PMO) interfaces and integrates with other DoW systems and their authorities to support DAF missions and lead MAJCOM directed activities. The PMO is responsible for testing, maintaining, and deploying STITCHES generated interoperability into DoW systems supported by AFLCMC/HNJJ, working with existing DoW test and certification organizations such as, but not limited to, the 46th Test Squadron, 613th Air Operations Center, and the Marine Corps Tactical Systems Support Activity, and teaming with organizations outside of AFLCMC/HNJJ when adapting and creating novel system of systems using capabilities from these organizations. The PMO will deliver adaptive and cutting-edge electromagnetic spectrum capabilities that provide the warfighter a tactical and strategic competitive advantage and freedom to attack, maneuver, and defend.

The PMO shall leverage the prime contractors to provide mission support as directed, including establishing a software development team composed of a government tiger team, the STITCHES toolchain developer, a secure cloud infrastructure and repository developer, and mission partners. The PMO includes a revolving team of subsystem subject matter experts when adapting DoW systems using STITCHES. The PMO is responsible for the execution of tasks employing STITCHES outlined in NDAA 2021 Section 804 and supports Joint All Domain Command and Control (JADC2) tasking and integration efforts in support of JADC2.

The PMO will conduct regular STITCHES training courses to scale the capability to the DoW. The PMO may team with other DoW organizations utilizing STITCHES to increase the scale of the deployed capabilities.

The STITCHES integration platform achieved a Cross Domain Solution (CDS) Authority to Operate (ATO) prior to the DoW's Raise the Bar (RTB) certification requirement process. The STITCHES integration platform will be submitted to the National Cross Domain Strategy and Management Office (NCDSMO) for Cross Domain Solution certification in FY27.

This program integrates DoW systems together to create new EW/EMSO capabilities and conducts prototyping activities on emerging and enabling technologies to inform future EMSO capabilities. This program utilizes the software acquisition pathway.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>		
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements, but not limited to, 0605829F, 0605831F, 0605833F, or 0605898F.				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: STITCHES		16.653	13.627	16.309
Description: STITCHES is a government-owned, open-source integration framework built by the DoW to accelerate mission system interoperability. It connects diverse architectures, regardless of scale, without relying on rigid standards, enabling rapid adaptation in dynamic operational environments. Proven across multiple platforms, STITCHES empowers programs to integrate faster, smarter, and with greater resilience.				
FY 2026 Plans:				
- Scope, lead, and deploy STITCHES integrations and train DoW personnel. Lead continual development for STITCHES Platform and new certification processes at AFLCMC/HNJJ direction.				
- Improve STITCHES verification, validation, and testing capabilities through automation, Graphical User Interface development, and streamline the developmental process for STITCHES toolchain and projects.				
- Continue deploying STITCHES toolchain and repository into web-based infrastructure for unclassified/classified information systems. Deploy secure cloud and non-cloud structures and NDAA 2021 Section 804 repositories within FENCES environment. Maintain CUI and classified cloud and stand-alone/edge structure ATOs.				
- Develop EW/EMSO capabilities through creation novel kill chains and EA/ES/EP involving previously incompatible weapon systems, Mission Design Series, sensor, and command, control, and communication systems. The development of advanced EW capability projects through collaboration of all military services in cooperation with multiple MAJCOMs to support multiple AORs such as United States Indo-Pacific Command and European Command. STITCHES will focus on traditional EW/EMSO problem sets and new gaps in air, maritime, space, and cyberspace domains.				
FY 2027 Plans:				
- Scope, lead, and deploy STITCHES integrations and train DoW personnel. Lead continual development for STITCHES Platform and new certification processes.				
- Execution of testing, training, and integration efforts as directed by the MAJCOM requirements working group.				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Improve STITCHES verification, validation, and testing capabilities through automation, Graphical User Interface development, and streamline the developmental process for STITCHES toolchain and projects. - Maintain and enhance a STITCHES toolchain and repository into web-based infrastructure for unclassified/classified information systems. Deploy secure cloud and non-cloud structures and NDAA 2021 Section 804 repositories within FENCES environment. Maintain CUI and classified cloud and stand-alone/edge structure ATOs. - Continue to create new integrations between previously incompatible weapon systems, sensors, and command and control networks. - Implement STITCHES development for efforts including an increase in automation and standardization between multiple mission data test networks. - Continue to develop interoperability between legacy systems and Universal Command & Control Interface (UCI). - Support the demand from joint partner organizations who need to resolve critical integration problems within their operational systems. FY 2026 to FY 2027 Increase/Decrease Statement: - We expect an increase in MAJCOM working group requirements which will increase the scope of testing, training, and integration efforts - Funding increased to implement STITCHES development for efforts including an increase in automation, standardization between multiple mission data test networks, and interoperability development between legacy systems and UCI. - Increased development funding is required to meet continued escalating demand from joint partners, who are seeking to bridge critical interoperability gaps across their command and control enterprise.				
Accomplishments/Planned Programs Subtotals		16.653	13.627	16.309
Other Service Funding Adjustment		3.572	-	-
Air Force Subtotals		13.081	13.627	16.309

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks Due to the level of classification, additional details will be provided upon request through the appropriate forum.		
D. Acquisition Strategy Accomplish analysis, prototyping, development, testing, deployment, training, and maintenance; efforts will be conducted using contracting strategies deemed most appropriate; generally using competitive contracts and/or other obligating documentation considered most appropriate by the obligating and performing agencies involved. Project utilizes existing DoW contracts to develop, maintain, and deploy interoperability within the DoW. AFLCMC/HNJJ will generate interoperability derived from system interface details as the requirements from NDAA 2021 Section 804 are delivered to DoW repositories via existing DoW programs. The Program Office will serve existing programs to train and deliver their interface details into existing repositories including those Section 804 compliant repositories. The Program Office System Adaptation effort generates those interface artifacts for programs not able to perform those functions on their own. This program is operating on the software acquisition pathway. This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements, but not limited to, 0605829F, 0605831F, 0605833F, or 0605898F. In FY26 \$0 million was expended for civilian pay expenses in this program element, and in FY27 \$0.6 million is forecasted for civilian pay expenses in this program element.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>				Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
STITCHES: Integration and Development	C/Various	Various : TBD	-	3.287	Dec 2024	7.680	Dec 2025	10.415	Dec 2026	-		10.415	Continuing	Continuing	-
STITCHES: Platform and Toolchain	C/Various	Various : TBD	-	8.059	Dec 2024	3.500	Dec 2025	2.700	Dec 2026	-		2.700	Continuing	Continuing	-
STITCHES: Cloud Infrastructure	C/Various	Various : TBD	-	3.132	Dec 2024	0.735	Dec 2025	1.188	Dec 2026	-		1.188	Continuing	Continuing	-
Subtotal			-	14.478		11.915		14.303		-		14.303	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
STITCHES: Program Support Costs (PSC)	C/Various	Various : Various	-	1.905	Dec 2024	1.437	Dec 2025	1.126	Dec 2026	-		1.126	Continuing	Continuing	-
STITCHES: Direct Cite Authority Civilian Pay	C/Various	Various : Various	-	-		-		0.600	Dec 2026	-		0.600	Continuing	Continuing	-
STITCHES: Reimbursable Support	C/Various	Various : Various	-	0.270	Dec 2024	0.275	Dec 2025	0.280	Dec 2026	-		0.280	Continuing	Continuing	-
Subtotal			-	2.175		1.712		2.006		-		2.006	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals			-	16.653		13.627		16.309		-		16.309	Continuing	Continuing	N/A
Other Service Funding Adjustment			-	3.572		-		-		-		-			-
Project Cost Totals			-	13.081		13.627		16.309		-		16.309	Continuing	Continuing	-
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)		Project (Number/Name) 673310 / Electronic Warfare Integrated Reprogram RDT&E	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Develop Deployment Strategy for STITCHES																												
Develop, Deploy, and Maintain Toolchain, Information System, and System Integration Capabilities																												
STITCHES Verification, Validation, and Test Activities																												
Test and Evaluate Toolchain, Information System, and System Integration Capabilities																												
Deploy STITCHES Secure Cloud Structures/ Information Systems																												
Deploy Repositories into CUI and FENCES Cloud Environments																												
Develop STITCHES Kill Chain Applications																												
Integrate DoW Systems Together in Different Configurations																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 673310 / <i>Electronic Warfare Integrated Reprogram RDT&E</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Develop Deployment Strategy for STITCHES</i>				
Develop, Deploy, and Maintain Toolchain, Information System, and System Integration Capabilities	1	2025	4	2031
<i>STITCHES Verification, Validation, and Test Activities</i>				
Test and Evaluate Toolchain, Information System, and System Integration Capabilities	1	2025	4	2031
<i>Deploy STITCHES Secure Cloud Structures/Information Systems</i>				
Deploy Repositories into CUI and FENCES Cloud Environments	1	2025	4	2031
<i>Develop STITCHES Kill Chain Applications</i>				
Integrate DoW Systems Together in Different Configurations	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>				Project (Number/Name) 677722 / <i>Multispectral Sensing</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
677722: <i>Multispectral Sensing</i>	0.000	0.000	19.772	34.813	0.000	34.813	35.579	36.108	36.889	37.395	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207439F, project 677722, EMSO Assessments, is a new start.

A. Mission Description and Budget Item Justification

This program creates new EW/Electromagnetic Spectrum Operations (EMSO) capabilities and conducts prototyping activities on emerging and enabling technologies to enable future EMSO app based reprogramming capabilities, waveform development, and EMSO assessments.

Tactical Application Pipeline (TACAPP) Development/Deployment Strategy. TACAPP is a premier cloud-based application that will expedite the delivery of software solutions directly to the warfighter. To posture the Air Force for agile Cloud-based rapid reprogramming capability by creating the Production and Pre-Production release management lifecycles for applications/Mission Ware and supporting software-defined capability systems release for NIPR, SIPR, and SAP environments. Creating the infrastructure and technology to enable the Mission Ware and software capability within the 350SWW, and management processes to facilitate the rapid capability delivery mechanism necessary for agile EMBM planning and execution. Application and Mission Ware development, V&V, and delivery thru TACAPP are vital to the success of the 350 SWW mission to provide a rapid capability delivery and management to the warfighter. This capability will be critical to providing rapid reprogramming to F-35, F-22, C-12, EC-130H/EA-37B COMPASS CALL, RJ, E-3 as well as B-21, F-47, CCA, and other 5th/6th gen platforms.

Open System Architecture (OSA) and Post-Flight Data Analysis (PFDA) driven waveform development against novel threats. In alignment with the 350 SWW mission directive, the program applies in-house expertise and the government-owned OSA frameworks (such as Big Iron Software Framework (BISF)) to address Intel and PFDA informed EMSO targets/threats. The core objective is to conduct adversary EW vulnerability analysis to develop, test, and validate organic, platform-agnostic waveforms. These solutions are engineered to fill critical mission needs for the warfighter, directly impacting LRKC effects. This effort is foundational to achieving operational integration with CCMD, Air Component, and MAJCOM plans and exercises, ensuring the developed capabilities are relevant and effective in contested environments. Funding is essential for the engineering, development, and technical support and infrastructure required to fulfill the 350 SWW's mandate. This effort will support the adversary EW vulnerability analysis/target development and the subsequent design, build, and validation of EW solutions using the OSA, PFDA, and other internal tools.

Develop and deploy EMSO Assessments strategy. Execute COMBAT SHEILD EW Assessments, and develop, administer, and continually assess organizational and large force EW capabilities inherent in our combat platforms. The intended end state is to achieve an increased level of fidelity and scope of assessed own-force EW criteria, enabling the USAF to gain and maintain a clear, decisive advantage over our adversaries within the EMS. This effort provides critical feedback to force providers, developers, and warfighters on the operational readiness of their systems in a contested electromagnetic environment. Funding is required for the technical expertise, analytical tools, and test infrastructure necessary to conduct rigorous

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)	Project (Number/Name) 677722 / Multispectral Sensing		
and accurate assessments of USAF weapon systems' EW capabilities. This investment is critical to mitigating unacceptable operational risk. Failure to advance the USAF's EMSO capabilities, adequately assess our EW readiness, and ensure our EMS agility pose a significant risk to the survivability of our combat forces and the accomplishment of operations in an era of global power competition.				
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F,0605831F, 0605832F, 0605833F, 0605898F, 0606398F.				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Open System Architecture & Post-Flight Data Analysis		0.000	11.097	21.769
Description: This will be accomplished by a contract for equipment, facility integration, SME support, and secures access to designated test ranges required for data integration end-to-end testing V&V of organically developed waveforms. A key component of this effort is the use of PFDA and the operational integration of new test infrastructure to deliver exquisite waveforms to the warfighter. Building/Maturing an organic waveform development capability is critical to SWW FY29 FOC timeline.				
FY 2026 Plans: Fund Data and Waveform Lab equipment (SWORD-A Hardware Development Kit (HDK) & Software Development Kit (SDK)) to develop OSA compliant techniques and (Chimera, SMARTS, SOSA Chassis upgrade) to increase capability to execute closed loop testing within the Wing.				
FY 2027 Plans: Continued Growth of the 350th Spectrum Warfare Wings Research, Development, Test and Evaluation capability and capacity. Specifically, transitioning from 5th to 6th generation technologies (software, hardware, etc) and platforms (B-21, F-47, etc).				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased secures equipment and experts to use intel and PFDA to develop and test exquisite waveforms, integrate external V&V assessments to ensure operational effectiveness. Funding also allows for scaling PFDA infrastructure and building adaptable waveform solutions integrating AI/ML models with corresponding lab integration for support equipment.				
Title: Theater Capabilities		0.000	0.898	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)	Project (Number/Name) 677722 / Multispectral Sensing		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: This funding is crucial to the delivery of key non-kinetic solutions capable of filling a critical, joint, operational gap. Directly targeting adversary long-range kill chain capabilities. This investment enhances survivability, disrupts enemy targeting cycles, and ensures U.S. forces maintain spectrum dominance across joint and coalition missions. FY 2026 Plans: Perform RDT&E activities. FY 2027 Plans: In FY27 funding moved to PE 0208007F Tactical Deception FY 2026 to FY 2027 Increase/Decrease Statement: In FY27 funding moved to PE 0208007F Tactical Deception				
Title: Tactical Application Pipeline (TACAPP) Description: This will be accomplished by a contract for software development personnel, network and support infrastructure, cloud-hosting services, and other expenses associated with development and maintenance of a software system with an active user base. Delivery of TACAPP capability is critical to SWW FY29 FOC timeline. FY 2026 Plans: Fund software development personnel, network and support infrastructure, cloud-hosting services, and other task associated with development of TACAPP IOC capability on NIPR/SIPR networks. FY 2027 Plans: Fund software development personnel, network infrastructure, cloud-hosting services, and other tasks associated with development of TACAPP FOC capability on SAP networks. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased secures experts to develop, test, and validate application development environment, build the V&V infrastructure to ensure integration and interoperability of electronic attack techniques, mission data and other reprogramming tools.		0.000	6.879	7.144
Title: EMSO Assessments Description: Begins development of a comprehensive EW assessment structure for each tasked aircraft, EW subsystems, and EMS suppression capability. The effort will include EWAP for COMBAT SHEILD per CSAF PLAN 53, as well as identifying support equipment and lab requirements to V&V EW effectiveness, participate in live, virtual, and constructive activities to assess and inform TTP and OPLAN development.		-	0.000	5.900

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 677722 / <i>Multispectral Sensing</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
<i>FY 2026 Plans:</i> New Start in FY27 <i>FY 2027 Plans:</i> Provide a Mission-Level/Multi-spectrum AF Simulation T&E equipment with EXata DYSE integration (MASTER JDI) capability that will serve as the high-fidelity simulation environment for EW & IW mission-level analysis for NIPR, SIPR, and JWICS networks. Supports COMBAT SHIELD EX, Large Force Assessments, and Organizational Assessments for post flight mission data analysis lab equipment, network infrastructure, and processing to assess CAF EW readiness, effectiveness, survivability, and mission assurance. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> New Start in FY27			
<i>Title:</i> Airbase Kits <i>Description:</i> Signature management capabilities that deny adversary access to critical friendly operational information, degrade adversary's ability to develop accurate intelligence, and impedes the adversary's ability to execute timely targeting cycles. <i>FY 2026 Plans:</i> Develop suite of USAF signature management technologies for two prototype Air Base signature management kits. <i>FY 2027 Plans:</i> In FY27 funding moved to PE 0208007F Tactical Deception <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> In FY27 funding moved to PE 0208007F Tactical Deception		0.000	0.898
Accomplishments/Planned Programs Subtotals		0.000	19.772
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
Due to the level of classification, additional details will be provided upon request through the appropriate forum.			
D. Acquisition Strategy			
Accomplish studies, analysis, concept demonstrations, prototyping and engineering; efforts will be conducted using contracting strategies deemed most appropriate; generally using competitive contracts and/or other obligating documentation considered most appropriate by the obligating and performing agencies involved.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)						Project (Number/Name) 677722 / Multispectral Sensing			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Analysis	C/CPAF	Not specified. : TBD	-	-		11.097	Jul 2026	27.669	Aug 2027	-		27.669	Continuing	Continuing	-
Theater Capabilities	C/CPAF	Not specified. : TBD	-	-		0.000	Aug 2026	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Airbase Kits	C/CPAF	Not specified. : TBD	-	-		0.000	Aug 2026	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
EA App Pipeline	C/CPAF	Not specified. : TBD	-	-		6.879	Sep 2026	7.144	Sep 2027	-		7.144	Continuing	Continuing	-
Synthetic Deception	C/CPAF	Not specified. : TBD	-	-		1.796	Aug 2026	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	-		19.772		34.813		-		34.813	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		19.772		34.813		-		34.813	Continuing	Continuing	N/A
Remarks															
Due to the level of classification, additional details will be provided upon request through the appropriate forum.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force											Date: April 2026				
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)						Project (Number/Name) 677722 / Multispectral Sensing			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Analysis																												
RDT&E																												
EA App Pipeline																												
RDT&E																												
Synthetic Deception																												
RDT&E																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)	Project (Number/Name) 677722 / Multispectral Sensing	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Analysis				
RDT&E	1	2026	4	2031
EA App Pipeline				
RDT&E	1	2026	4	2031
Synthetic Deception				
RDT&E	1	2026	4	2026

Note
Theater Capabilities and Airbase Kits funding moved to PE 0208007F Tactical Deception in FY26 and Synthetic Deception funding ends in FY26

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)				Project (Number/Name) 67775A / Sensing and Spectrum Warfare Technology			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
67775A: Sensing and Spectrum Warfare Technology	0.000	0.000	5.240	22.401	0.000	22.401	22.740	23.038	23.739	24.247	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Rapid Analysis Processing Independent Deployable System (RAPIDS) is a critical F-35 initiative that accelerates the ingestion and analysis of flight data from months to minutes, enabling rapid software reprogramming and battlefield intelligence. Urgent modernization is required because the current equipment, originally designed for CONUS-based developmental and operational testing (DT/OT), is now at its end-of-life (EOL) and not configured for its current operational support mission, threatening F-35 mission effectiveness, and pilot safety.

This investment enhances "edge-node computing," allowing analysts in forward-deployed environments to capture and transmit mission data to support the rapid reprogramming of aircraft mission data files (MDFs). It will also facilitate a COTS-based redesign to reduce the system's form factor for easier deployment to remote locations and address network ATO requirements to expand the list of available analysis tools. Ultimately, this strengthens the "Combat Cloud" concept by ensuring data collected by any aircraft can benefit the entire fleet.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, & 0606398F. In FY26 \$0 M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development (OSD) because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: EWIR Analysis	0.000	5.240	22.401
Description: This effort addresses urgent programmatic risks by focusing on the End-of-Life (EOL) hardware components within the existing RAPIDS architecture. The primary goal is to recapitalize the system by procuring and integrating modern, supportable replacements to ensure continued operational viability. Concurrently, this phase will initiate a COTS-based redesign to reduce the system's overall form factor, resulting in a smaller, more rugged, and logistically streamlined package that is easier and more cost-effective to deploy into remote and austere locations in support of Agile Combat Employment (ACE) concepts.			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / <i>Electromagnetic Warfare Int Reprog (EWIR)</i>	Project (Number/Name) 67775A / <i>Sensing and Spectrum Warfare Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
The FY26 plan focuses on operationalizing the modernized design. A key line of effort is laying the foundation for a future network Authority to Operate (ATO) on the redesigned system, which is critical for expanding authorized analysis tools and ensuring seamless data flow across DoD networks. This includes securing the personnel required to maintain compliance with existing ATOs. In parallel, this phase will involve procuring and fabricating initial prototypes to validate the design against operational requirements and conduct rigorous testing. Finally, this effort will include a formal analysis of alternatives to explore expanding RAPIDS capabilities to additional fighter platforms, identifying the technical and budgetary requirements for transferring mission data via cloud-based Multi-Level Security (MLS) solutions. FY 2027 Plans: Building on the successful prototyping and analysis from the previous year, the FY27 plan will transition the RAPIDS program to full-rate production. The primary objective is to field the modernized, smaller form-factor systems across the entire F-35 enterprise, replacing all legacy hardware. This phase will also execute the multi-platform expansion plan by integrating the proven RAPIDS architecture and MLS data transfer capabilities with other designated fighter platforms. This will create a truly interconnected data network, enabling rapid, secure, and automated mission data sharing across the combat air forces and solidifying a common data-driven ecosystem for future warfare. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase is to reach full fielding capability fir the F-35 and start transitioning the system to other platforms.			
Accomplishments/Planned Programs Subtotals		0.000	5.240
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks Due to the level of classification, additional details will be provided upon request through the appropriate forum.			
D. Acquisition Strategy Accomplish studies, analysis, concept demonstrations, prototyping and engineering; efforts will be conducted using contracting strategies deemed most appropriate; generally using competitive contracts and/or other obligating documentation considered most appropriate by the obligating and performing agencies involved. .			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)						Project (Number/Name) 67775A / Sensing and Spectrum Warfare Technology			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Analysis	C/CPAF	Not specified. : TBD	-	-		5.240	Mar 2026	22.401		-		22.401	Continuing	Continuing	-
Subtotal			-	-		5.240		22.401		-		22.401	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		5.240		22.401		-		22.401	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)		
			Project (Number/Name) 67775A / Sensing and Spectrum Warfare Technology		

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Analysis																												
RDT&E																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207439F / Electromagnetic Warfare Int Reprog (EWIR)	Project (Number/Name) 67775A / Sensing and Spectrum Warfare Technology

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Analysis				
RDT&E	1	2026	4	2026

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207444F I Tactical Air Control Party-Mod							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	11.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
676013: Equipment Modernization	0.000	11.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

This budget line funds the Air Force Special Warfare (AFSPECWAR) Tactical Air Control Party (TACP) Weapon System which executes precision strike, integration, and all-domain command and control missions to meet Air Force power projection for the joint force's expanded maneuver.

TACP Airmen are part of the Air Force's premier ground combat units that are highly maneuverable and scalable. They execute ground-based command and control functions and seamlessly integrate kinetic and non-kinetic effects across the entire spectrum of conflict. They do this by providing joint force air component commanders with a highly trained force that operates at the tactical edge in highly contested environments and complicates enemy decision-making processes. Additionally, TACP Airmen conduct precision strike and integration operations at all echelons of maneuver warfare, from dismounted operations on the forward edge of the battlefield to tactical command posts; TACP Airmen plan, request, advise, and control joint fires and air power to meet multinational operations and supported Combatant commander's objectives.

The purpose of Tactical Air Control Party - Modernization (TACP-M) programs are to provide TACPs with modernized voice, data, and video communications, including diverse waveforms and software, advanced targeting equipment, and enhanced battlefield awareness/management capabilities across all domains. Improved targeting and data communications capabilities improve kill chain timelines, defeat adversary systems through opening and closing kill webs, extended critical networks to the forward edge, and when required reduce the probability of fratricide or collateral damage.

TACP-M programs support include addressing frequent TACP combat deployments that sometimes lead users to change equipment procurement priorities to support urgent operational needs and respond to evolving threat environments. TACP-M programs jointly develop and procure software and hardware with other AFSPECWAR programs to consolidate requirements that are common across the AFSPECWAR enterprise. This teaming arrangement helps standardize equipment, improves efficiency by consolidating acquisition efforts, enabling a common baseline, and reducing overall costs.

TACP-M programs provide and modernize capabilities in the following five major areas: (1) Air Support Operations Center (ASOC)/Tactical Operational Center (TOC) systems; also known as TACP Command and Control and communications (C3) (used in static, mobile and maneuverable operations centers), (2) Vehicle Mounted Systems (used in tactical vehicles) and for On-The-Move and At-The-Halt operations, (3) Dismounted Systems (used by TACPs in wearable configurations), (4) Joint all-Domain Command and Control (JADC2) software, and (5) Support distributed and resilient ground-based command and control teams that leverage airpower within the Theater Air Control System. To ensure survivable and effective C3 capabilities, TACP needs to develop equipment capable of sensing (passive and active) enemy activity within the electromagnetic environment and deliver non-kinetic effects through ground-based jamming Electro-Magnetic Spectrum (EMS) awareness, develop and integrate and a Wide Area Infrared System (WAIS) which will provide a 24/7 360 degree infrared imaging capability covering critical areas utilizing artificial intelligence for threat detection, High Capacity Beyond Line of Sight (BLOS) Baseband Backhaul (BB/BH) and other communications support equipment, advanced

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207444F I Tactical Air Control Party-Mod	
software defined waveforms (Low Probability of Intercept/Low Probability of Detection (LPI/LPD)); network architecture to move data across elements & echelons and Small Unmanned Aircraft System (sUAS) for force protection and network extension.		
FY2027 funding will allow for the continued development of TACP Mission Software, WARHAWK and Special Warfare Assault Kit (SWAK)/Tactical Assault Kit (TAK) software Tactical Laser Communications capabilities, other JADC2 network enabling software applications and suites, EMS and BLOS BB/BH. Mission Software includes the WARHAWK and SWAK software programs modernizing the software used in Command, Control, Communications and Cybersecurity (C4) processing systems for ASOC/TOC (TACP C2) operations, as well as vehicle Mounted and Dismounted operations. The software will allow enhanced capability and seamless communication between the operations centers and the TACP military units in high combat areas. The Tactical Laser Communications project includes the development of a Portable Optical Communication Terminal prototype, providing a Low Probability of Intercept/Low Probability of Detection, highly anti-jammable communication capability. The Tactical Laser Communications project also includes the development of supporting Tactical networks, enabling global access into the Department of Defense information Network, ensuring diverse and resilient pathways for data transmission for TACP military units in remote locations. TACP-M funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs such as but not limited to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Items requested in FY2026 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed during execution may change based on critical equipment needed to support current Air Force mission requirements. FY2026 funding (\$12.038M) and FY27 funding (\$12.460) for BA 07 0207444F was transferred to BA 07 Project 0207457F. This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2025 0.000M was expended for civilian pay expenses in this program element, and in FY 2026 0.000M is forecast for civilian pay expenses in this program element. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207444F I Tactical Air Control Party-Mod			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	12.171	0.000	0.000	0.000	0.000
Current President's Budget	11.816	0.000	0.000	0.000	0.000
Total Adjustments	-0.355	0.000	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.355	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207444F / Tactical Air Control Party-Mod				Project (Number/Name) 676013 / Equipment Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676013: Equipment Modernization	0.000	11.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the Air Force Special Warfare (AFSPEWAR) Tactical Air Control Party (TACP) Weapon System which executes precision strike, integration, and all-domain command and control missions to meet Air Force power projection for the joint force's expanded maneuver.

TACP Airmen are part of the Air Force's premier ground combat units that are highly maneuverable and scalable. They execute ground-based command and control functions and seamlessly integrate kinetic and non-kinetic effects across the entire spectrum of conflict. They do this by providing joint force air component commanders with a highly trained force that operates at the tactical edge in highly contested environments and complicates enemy decision-making processes. Additionally, TACP Airmen conduct precision strike and integration operations at all echelons of maneuver warfare, from dismounted operations on the forward edge of the battlefield to tactical command posts; TACP Airmen plan, request, advise, and control joint fires and air power to meet multinational operations and supported Combatant commander's objectives.

The purpose of Tactical Air Control Party - Modernization (TACP-M) programs are to provide TACPs with modernized voice, data, and video communications, including diverse waveforms and software, advanced targeting equipment, and enhanced battlefield awareness/management capabilities across all domains. Improved targeting and data communications capabilities improve kill chain timelines, defeat adversary systems through opening and closing kill webs, extended critical networks to the forward edge, and when required reduce the probability of fratricide or collateral damage.

TACP-M programs support include addressing frequent TACP combat deployments that sometimes lead users to change equipment procurement priorities to support urgent operational needs and respond to evolving threat environments. TACP-M programs jointly develop and procure software and hardware with other AFSPEWAR programs to consolidate requirements that are common across the AFSPEWAR enterprise. This teaming arrangement helps standardize equipment, improves efficiency by consolidating acquisition efforts, enabling a common baseline, and reducing overall costs.

TACP-M programs provide and modernize capabilities in the following five major areas: (1) Air Support Operations Center (ASOC)/Tactical Operational Center (TOC) systems; also known as TACP Command and Control and communications (C3)(used in static, mobile and maneuverable operations centers), (2) Vehicle Mounted Systems (used in tactical vehicles) and for On-The-Move and At-The-Halt operations, (3) Dismounted Systems (used by TACPs in wearable configurations), (4) Joint all-Domain Command and Control (JADC2) software, and (5) Support distributed and resilient ground-based command and control teams that leverage airpower within the Theater Air Control System. To ensure survivable and effective C3 capabilities, TACP needs to develop equipment capable of sensing (passive and active) enemy activity within the electromagnetic environment and deliver non-kinetic effects through ground-based jamming Electro-Magnetic Spectrum (EMS) awareness, develop and integrate and a Wide Area Infrared System (WAIS) which will provide a 24/7 360 degree infrared imaging capability covering critical areas utilizing artificial intelligence for threat detection, High Capacity Beyond Line of Sight (BLOS) Baseband Backhaul (BB/BH) and other communications support equipment, advanced

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207444F / <i>Tactical Air Control Party-Mod</i>	Project (Number/Name) 676013 / <i>Equipment Modernization</i>
software defined waveforms (Low Probability of Intercept/Low Probability of Detection (LPI/LPD)); network architecture to move data across elements & echelons and Small Unmanned Aircraft System (sUAS) for force protection and network extension. FY 2027 funding was transferred to PE 27457F. TACP-M funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs such as but not limited to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Items requested in FY 2026 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed during execution may change based on critical equipment needed to support current Air Force mission requirements. This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024 \$0.000M was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000M is forecast for civilian pay expenses in this program element. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		
B. Accomplishments/Planned Programs (\$ in Millions)		
Title: FY 2025 (Current Year) Plans:		FY 2025
Description: Continue agile software development with at least quarterly software releases across TACP systems.		FY 2026
-Continue testing software releases, as applicable. -Continue to support development/fielding of Special Warfare Assault Kit (SWAK)/Tactical Assault Kit (TAK) and Dismounted Special Warfare software. -Continue TACP common software architecture for further development to meet other Special Warfare airman operational needs. -Continue to integrate WARHAWK with ASOC-Mod software acquisition. -Continue to integrate and test Digitally Aided Close Air Support (DACAS) software data communications interfaces with C2 Nodes, CAS aircraft, Army Tactical Network (ATN), Soldier Radios Waveform (SRW) networks, Theater Battle Management Core Systems (TBMCS), and Mobile User Objective System (MUOS) Satellite communications (SATCOM) networks to enhance interoperability between TACPs and other joint warfighters. -Conduct investigations, studies and assessments to provide additional features (capabilities) for the software. -Conduct development, installation, and integration of the Tactical Laser Comms, Tactical Grid Boundaries to include demonstrating one of the laser terminal prototypes		FY 2027
		11.816
		0.000
		0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207444F / Tactical Air Control Party-Mod				Project (Number/Name) 676013 / Equipment Modernization				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
FY 2026 Plans: FY26 and FY27 funding was realigned to PE 27457F FY 2027 Plans: FY26 and FY27 funding was realigned to PE 27457F FY 2026 to FY 2027 Increase/Decrease Statement: N/A												
Accomplishments/Planned Programs Subtotals										11.816	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 Line item 837100: Tactical C-E Equipment	51.076	54.032	59.896	-	59.896	37.780	38.301	39.061	-	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
WARHAWK follow-on contract continues activities through FY2030. The Air Support Operations Center (ASOC)-Mod (also Known as TACP C2) effort will continue to modernize fielded ASOC/Tactical Operational Center (TOC) software capabilities by developing enhanced communications capabilities. The SWAK/TAK Dismounted software awarded the follow-on Systems Engineering and Integration (S&EI) contract in May 23, which continues agile development and deployment through FY 2033. The Air Force Life Cycle Management Center (AFLCMC) located at Wright-Patterson AFB, OH is the contracting authority for the TACP-M program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207444F / <i>Tactical Air Control Party-Mod</i>				Project (Number/Name) 676013 / <i>Equipment Modernization</i>					

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
(TAK/SWAK) Software Dev Dismounted	Various	GDIT : Dayton, OH	-	3.273	Nov 2024	-		-		-		-	Continuing	Continuing	-
WARHAWK Software System Dev Mounted ATM	C/CPFF	GDIT : Dayton, OH	-	6.677	May 2025	-		-		-		-	Continuing	Continuing	-
WARHAWK Software NSWC, Crane (Naval Surface Warfare Center)	MIPR	NSWC Crane : Crane, IN	-	1.063	Jan 2025	-		-		-		-	Continuing	Continuing	-
Congressional Add - Tactical Laser Communications	SS/CPAF	GSA/Viasat : Carlsbad, CA	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	11.013		-		-		-		-	Continuing	Continuing	N/A

Remarks
WARHAWK Software System Dev Mounted ATM Contract with GDIT is until March FY 2025 future Contractor TBD

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Agency Support	PO	Various : Multiple, FL	-	0.615	Apr 2025	-		-		-		-	Continuing	Continuing	-
Test Agency Support - Other	Various	Not specified. : Multiple, FL	-	0.123		-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.738		-		-		-		-	Continuing	Continuing	N/A

Remarks
Development, operational and interoperability testing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207444F / Tactical Air Control Party-Mod						Project (Number/Name) 676013 / Equipment Modernization					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Program Support Costs (PSC)	Various	Various/Various : TBD	-	0.065	May 2025	-		-		-		-	Continuing	Continuing	-		
Subtotal			-	0.065		-		-		-		-	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	11.816		-		-		-		-	Continuing	Continuing	N/A		
Remarks																	
(TAK/SWAK) Software Dev Dismounted: FY 2025-2033 provides funding to complete all approved/backlog development items and initial Cyber & Electronic Warfare integration/development																	
WARHAWK System Dev. Mounted ATM: FY 2025 is the Re-compete for WARHAWK; FY 2025-FY 2026 will be for any approved backlog development																	

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026							
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207444F / Tactical Air Control Party-M od								Project (Number/Name) 676013 / Equipment Modernization							

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207444F / Tactical Air Control Party-Mod	Project (Number/Name) 676013 / Equipment Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
WARHAWK Mission Software				
DACAS (SWAK/TAK) Software (all versions) Design, Development ,Testing and Fielding	1	2025	4	2025
DACAS (WARHAWK) ATM Software (all versions) Design, Development, Testing and Fielding	1	2025	4	2025
Congressional Add - Tactical Laser Communications - Development, Prototyping and Testing	4	2025	4	2025

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207452F I DCAPES							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	8.154	8.390	5.254	0.000	5.254	5.453	5.560	5.665	5.780	Continuing	Continuing
674803: DCAPES Cont Dev	0.000	8.154	8.390	5.254	0.000	5.254	5.453	5.560	5.665	5.780	Continuing	Continuing
Program MDAP/MAIS Code: 500												
A. Mission Description and Budget Item Justification												
Deliberate and Crisis Action Planning and Execution System (DCAPES) is the Department of the Air Force (DAF) classified Command and Control (C2) National Security System (NSS) used to implement the Air Force Force Generation (AFFORGEN) process and project forces (includes weapon systems, logistics, and personnel). It enables the DAF to posture mission ready and equipped forces (organized in effects-based operational capability packages) to deliver air, space, and cyberspace capabilities to Joint commanders worldwide. DCAPES supports joint, combined, and DAF military operations worldwide.												
FY 2027 funding will be used to support the continued development of capabilities within the DCAPES system. These efforts will enhance the Shortfall Management Module which enables units to report and route manpower deficiencies to appropriate command level for resolution. The funding will also be used to develop the Manpower Analysis Tool used to analyze and inform personnel planning and prevent future shortfalls.												
The FY 2027 funding continues to enhance the functionality of the system, crucial in supporting war planning, and will be executed against capabilities packaged into agile development projects for multiple releases based on warfighter priorities.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207452F I DCAPES			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	8.431	8.507	0.000	0.000	0.000
Current President's Budget	8.154	8.390	5.254	0.000	5.254
Total Adjustments	-0.277	-0.117	5.254	0.000	5.254
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.277	-0.117			
• Other Adjustments	0.000	0.000	5.254	0.000	5.254
Change Summary Explanation					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207452F / DCAVES				Project (Number/Name) 674803 / DCAVES Cont Dev			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674803: DCAVES Cont Dev	0.000	8.154	8.390	5.254	0.000	5.254	5.453	5.560	5.665	5.780	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Deliberate and Crisis Action Planning and Execution System (DCAVES) is the Department of the Air Force (DAF) classified Command and Control (C2) National Security System (NSS) used to implement the Air Force Force Generation (AFFORGEN) process and project forces (includes weapon systems, logistics, and personnel). It enables the DAF to posture mission ready and equipped forces (organized in effects-based operational capability packages) to deliver air, space, and cyberspace capabilities to Joint commanders worldwide. DCAVES supports joint, combined, and DAF military operations worldwide.

FY 2027 funding will be used to support the continued development of capabilities within the DCAVES system. These efforts will enhance the Shortfall Management Module which enables units to report and route manpower deficiencies to appropriate command level for resolution. The funding will also be used to develop the Manpower Analysis Tool used to analyze and inform personnel planning and prevent future shortfalls.

The FY 2027 funding continues to enhance the functionality of the system, crucial in supporting war planning, and will be executed against capabilities packaged into agile development projects for multiple releases based on warfighter priorities.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: DCAVES Continuous Development	8.154	8.390	5.254
Description: DCAVES Continuous Development Infrastructure Support, Business Intelligence, and the development of multiple Warfighter requirements.			
FY 2026 Plans:			
- Continue to enhance the Manpower Equipment and Force Packaging (MEFPAK) Module by developing Transportation and Load Planning Data Creation, standardizing Manpower Force Element Line Numbers, and creating Air Force Specialty Code Substitution Rules			
- Create Force Presentation module that will present Force Apportionment and Assignment data			
- Continue to develop/deploy additional user requirements, functionalities, and enhancements of the system			
FY 2027 Plans:			
- Will continue to enhance the Shortfall Module Update			
- Will develop the Manpower Analysis Tool			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207452F / DCAPEs	Project (Number/Name) 674803 / DCAPEs Cont Dev	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Will continue to develop/deploy additional user requirements, functionalities, and enhancements of the system FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding decreased to align with the program's migration schedule of moving the test, training, and production environments to the Secret Internet Protocol Router Network (SIPR) cloud.			
Accomplishments/Planned Programs Subtotals		8.154	8.390
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
In Q1 FY 2025 the Deliberate Crisis Action Planning & Execution System (DCAPEs) program completed Increment 2B full deployment and transitioned to the Software Acquisition Pathway (SWP). As a SWP program, DCAPEs develops and sustains capabilities in accordance with the selected Agile software methodology to provide rapid development and delivery of capabilities based on the warfighter's top priorities. The Program Management Office (PMO) maintains a backlog of requirements, and the stakeholders will verify needs in an approved annual Capability Needs Statement (CNS) and project capabilities for an additional two years. The contracting strategy is a FAR 16.505 Fair Opportunity task order off of the Small Business Enterprise Application Services (SBEAS) IDIQ contract. The DCAPEs PMO uses a mix of agreements (Service Level Agreements and Memorandums) with DCAPEs interface partners. Memorandums of Agreement (MOA) with Joint Interoperability Test Command (JITC) and the 45th Test Squadron are in place and outline the test support required before fielding the final capability packages. Program management for the DCAPEs program is under direction of Program Executive Office (PEO) Business Enterprise Systems (BES), located at Gunter Annex AFB, AL. The Air Force Life Cycle Management Center (AFLCMC) located at Gunter Annex AFB, AL provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207452F / DCAPEs				Project (Number/Name) 674803 / DCAPEs Cont Dev					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCAPES Cont Dev/Prime Contract	C/FFP	Concept Plus, LLC : Fairfax, DC	0.000	4.328	Mar 2025	4.688	Mar 2026	3.358	Mar 2027	-		3.358	Continuing	Continuing	22.849
DCAPES Infrastructure/Integration	C/FFP	Obsidian Global LLC : Wash DC, DC	0.000	0.422	Feb 2025	0.425	Feb 2026	0.310	Feb 2027	-		0.310	Continuing	Continuing	2.265
DCAPES Architecture Documentation Development	C/CPAF	Bowhead LLC : Springfield, VA	0.000	0.085	Sep 2025	0.088	Sep 2026	0.000	Sep 2027	-		0.000	Continuing	Continuing	0.354
DCAPES CLOUD Supt	C/CPFF	SAIC : Reston, VA	0.000	0.170	Sep 2025	0.186	Sep 2026	0.140	Sep 2027	-		0.140	Continuing	Continuing	-
DCAPES Defense Information Systems Agency (DISA) Hosting	MIPR	DISA : Pensacola, FL	0.000	0.497	Oct 2024	0.497	Oct 2025	0.297	Oct 2026	-		0.297	Continuing	Continuing	-
Subtotal			0.000	5.502		5.884		4.105		-		4.105	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCAPES Integration Contract Support	C/FFP	1 Sync Tech LLC : Montgomery, AL	0.000	0.498	Apr 2025	0.444	Apr 2026	0.000	Apr 2027	-		0.000	Continuing	Continuing	1.926
DCAPES Engineering Contract Support	C/CPFF	Torch Tech Inc : Huntsville, AL	0.000	0.491	Apr 2025	0.505	Apr 2026	0.277	Apr 2027	-		0.277	Continuing	Continuing	2.389
DCAPES Oracle Licenses	C/FFP	TBD : TBD	0.000	0.260	Jun 2025	0.268	Jun 2026	0.084	Jun 2027	-		0.084	Continuing	Continuing	-
DCAPES Command and Control Authorizing Official	MIPR	C2 SCA : Hanscom AFB, MA	0.000	0.103	Oct 2024	0.106	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
DCAPES Shared Services	Various	Various : TBD	0.000	0.053	Oct 2024	0.055	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
DCAPES Government Purchase Card	Various	Various : TBD	0.000	0.015	Oct 2024	0.015	Oct 2025	0.010	Oct 2026	-		0.010	Continuing	Continuing	-
Subtotal			0.000	1.420		1.393		0.371		-		0.371	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207452F / DCAPEs				Project (Number/Name) 674803 / DCAPEs Cont Dev					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCAPES Development Test and Evaluation	PO	45th Test Sqdn : Eglin AFB, FL	0.000	0.525	Oct 2024	0.525	Oct 2025	0.338	Oct 2026	-		0.338	Continuing	Continuing	-
DCAPES Interoperability Testing and Evaluation	MIPR	DISA JITC : Ft Huachuca, AZ	0.000	0.095	Oct 2024	0.097	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Subtotal			0.000	0.620		0.622		0.338		-		0.338	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCAPES Program Management Assessments	Various	Various : Various	0.000	0.487	Oct 2024	0.366	Oct 2025	0.315	Oct 2026	-		0.315	Continuing	Continuing	-
DCAPES Travel	Reqn	Various : TBD	0.000	0.120	Oct 2024	0.120	Oct 2025	0.120	Oct 2026	-		0.120	Continuing	Continuing	-
DCAPES Business Integration Support	Various	Various : TBD	0.000	0.005	Oct 2024	0.005	Oct 2025	0.005	Oct 2026	-		0.005	Continuing	Continuing	-
Subtotal			0.000	0.612		0.491		0.440		-		0.440	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	8.154		8.390		5.254		-		5.254	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207452F / DCAVES		Project (Number/Name) 674803 / DCAVES Cont Dev	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>DCAVES Continuous Development</i>																												
- Continuous Analytics and Authoritative Data Services Updates																												
- Logistics Detail (LOGDET) creation in Manpower and Equipment Force Packaging (MEFPAK)																												
- Create unclassified server in production environment supporting Personnel Accountability																												
- Interface with and apply Air Force organizational server data (Military, Civilian and Manpower Data)																												
- MEFPAK - develop Transportation and Load Planning Data Creation																												
- MEFPAK+database - standardize Manpower Force Element Line Numbers (MFE)																												
- MEFPAK - Air Force Specialty Code (AFSC) Substitution Rules																												
- MEFPAK - Update 26																												
- Create shortfall module update tool																												
- Develop manpower analysis tool																												
- Create mass edit of force elements through unit's organizational patch																												
- Migrate database to x86 hardware and migrate environments to Secret Internet Protocol Router Network (SIPR) Cloud																												
- Auto apply national stock number																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force														Date: April 2026																							
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0207452F / DCAVES								Project (Number/Name) 674803 / DCAVES Cont Dev																			
										FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
- Auto generate cargo detail in new capability packages										██																											

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207452F / DCAVES	Project (Number/Name) 674803 / DCAVES Cont Dev	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DCAVES Continuous Development</i>				
- Continuous Analytics and Authoritative Data Services Updates	1	2025	4	2031
- Logistics Detail (LOGDET) creation in Manpower and Equipment Force Packaging (MEFPAK)	1	2025	2	2025
- Create unclassified server in production environment supporting Personnel Accountability	3	2025	1	2026
- Interface with and apply Air Force organizational server data (Military, Civilian and Manpower Data)	3	2026	4	2026
- MEFPAK - develop Transportation and Load Planning Data Creation	1	2026	2	2026
- MEFPAK+database - standardize Manpower Force Element Line Numbers (MFE)	2	2026	2	2026
- MEFPAK - Air Force Specialty Code (AFSC) Substitution Rules	3	2026	3	2026
- MEFPAK - Update 26	4	2026	4	2026
- Create shortfall module update tool	1	2027	2	2027
- Develop manpower analysis tool	2	2027	3	2027
- Create mass edit of force elements through unit's organizational patch	1	2028	4	2028
- Migrate database to x86 hardware and migrate environments to Secret Internet Protocol Router Network (SIPR) Cloud	1	2028	4	2028
- Auto apply national stock number	1	2028	4	2028
- Auto generate cargo detail in new capability packages	1	2029	2	2029
- Allow users to subscribe to data changes across all modules	3	2029	4	2029
- Auto source from Unit Type Code (UTC) availability when triggers are met	1	2030	2	2030
- Integrate force structure data in the Deliberate Crisis Action Planning & Execution System (DCAVES)	3	2030	1	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207457F / <i>Air Force Special Warfare (SPECWAR)</i>

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	27.149	24.423	0.000	24.423	18.434	13.882	6.162	7.826	Continuing	Continuing
675138: <i>ST System Development</i>	0.000	0.000	9.622	9.893	0.000	9.893	10.245	8.104	3.887	4.120	Continuing	Continuing
675234: <i>TACP Support</i>	0.000	0.000	4.108	0.000	0.000	0.000	0.000	0.000	0.000	1.253	Continuing	Continuing
675352: <i>Guardian Angel RDT&E</i>	0.000	0.000	1.758	1.988	0.000	1.988	2.184	1.698	0.942	0.995	Continuing	Continuing
676013: <i>Equipment Modernization</i>	0.000	0.000	11.661	12.542	0.000	12.542	6.005	4.080	1.333	1.458	Continuing	Continuing

A. Mission Description and Budget Item Justification

Air Force Special Warfare (AFSPECWAR) includes Guardian Angel (GA), Special Tactics/Combat Control (ST/CC), Tactical Air Control Party-Modernization (TACP-M) and Air Force Special Warfare-TACP (AFSPECWAR-TACP) programs that develop, integrate, train and test equipment and systems to provide TACPs, GA airmen and ST/CC airmen capabilities to accomplish unique and challenging missions. All three are human based weapons systems.

AFSPECWAR Airmen execute seven Mission Essential Tasks:

- Gain access to allies, partners, and terrain for Joint All Domain Operations
- Conduct reconnaissance and surveillance
- Provide resilient Command and Control forward
- Execute Forward Airfield Operations
- Accomplish cyberspace and electromagnetic spectrum operations (CO/EMSO)
- Perform Personnel Recovery and Reconstitution
- Integrate to deliver joint fires and effects

A. Guardian Angel (GA) is a Family of Systems (FoS) based in both human and equipment capabilities formulated to execute Air Force Personnel Recovery (PR) across the full spectrum of military operations. The GA FoS is employed by three distinct Air Force specialties: Pararescue men (PJ), Combat Rescue Officer (CRO), and Survival, Evasion, Resistance, Escape (SERE) and is comprised of nine critical mission areas: Precision Aerial Insertion, Information Management, Force Application, Visual Augmentation, Maritime Recovery, Ground Mobility, Technical Rescue, Medical, and SERE.

In order to stay aligned with the Department of War Focus Area Command and Control (C2), logistics mobility (land/water), FY2027 funding will be used to obtain significant improvements in operational capability and develop items within the GA FoS to include but not limited to: Maritime Recovery (open ocean boat), Ground Mobility, Technical Recovery, Precision Aerial Insertion (cargo & personnel parachutes), Medical (Simulators), Information Management, SERE, Visual Augmentation (night vision, augmented reality) and Force Protection. The GA weapon system development/Innovation activities also include studies, analysis,

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207457F I Air Force Special Warfare (SPECWAR)	
requirements development and developmental testing to support both current and future program planning and execution, quick-reaction capability prototypes/ demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Funding will deliver enhanced capability for the dismounted GA Operators in terms of dramatic weight reduction, standardization of items across units, and increased mission effectiveness across the conflict spectrum. Items requested in FY2027 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed 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 units. B. Special Tactics (ST)/Combat Control (ST/CC) is a human-based weapon system, comprised of both human and equipment capabilities formulated to provide the Air Force and Joint Force with support across the following missions: Global Access, Precision Strike, and Personnel Recovery; with additional focus on EMSO, Counter-Unmanned Aircraft Systems (UAS), and Ground-based Suppression of Enemy Air Defenses (SEAD). ST is employed by Air Force Special Operations Command (AFSOC) across four distinct operator specialties: Combat Control, Pararescue, Special Reconnaissance and Tactical Air Control Party. Special Warfare Acquisition, Growth and Refresh (SWAGR) is the program of record to develop, integrate, test, procure and field the latest technology and equipment across a wide range of capabilities to ensure AFSPECWAR ST operators can achieve the mission sets outlined above. Specifically, SWAGR delivers modernized capability in the areas of body-worn hardware/software, tactical communications, ground mobility, small UAS, visual augmentation, maritime, special reconnaissance, technical recovery, and assault zones. FY2027 Funding will provide for continued software development and modernization of the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for ST operators in the battlespace. These enhancements will improve the ability recognize, identify, range, nominate, and designate targets during both day and night operations. Improvements will also significantly reduce the time required to find, track, fix targets, 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 C2 centers. Funding will also provide for the development and test of emerging technology, and the integration of the latest mature technology into the ST weapon system to conduct mission essential tasks. Items requested in FY2027 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed 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 units. C. Air Force Special Warfare (AFSPECWAR) Tactical Air Control Party (TACP) Weapon System executes precision strike, integration, and all-domain command and control missions to meet Air Force power projection for the joint force's expanded maneuver. They do this by providing joint force air component commanders with a highly trained force that operates at the tactical edge in highly contested environments and complicates enemy decision-making processes. TACP Airmen plan, request, advise, and control joint fires and air power to meet multinational operations and supported Combatant commander's objectives.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207457F I Air Force Special Warfare (SPECWAR)	
The purpose of Tactical Air Control Party - Modernization (TACP-M) programs are to provide TACPs with modernized voice, data, and video communications, including diverse waveforms and software, advanced targeting equipment, and enhanced battlefield awareness/management capabilities across all domains. Improved targeting and data communications capabilities improve kill chain timelines, defeat adversary systems through opening and closing kill webs, extended critical networks to the forward edge, and when required reduce the probability of fratricide or collateral damage. TACP-M programs address frequent TACP combat deployments that sometimes lead users to change equipment procurement requirements to support urgent operational needs and respond to evolving threat environments. TACP-M programs jointly develop and procure software, hardware and test assets with other AFSPECWAR programs to consolidate requirements that are common across the AFSPECWAR enterprise. This teaming arrangement helps standardize equipment, improve efficiency by consolidating acquisition efforts, enabling a common baseline, and reducing overall costs. TACP-M programs provide and modernize capabilities in the following five major areas: (1) Air Support Operations Center (ASOC)/Tactical Operational Center (TOC) systems; also known as TACP Command and Control and communications (C3) (used in static, mobile and maneuverable operations centers), (2) Vehicle Mounted Systems (used in tactical vehicles) for On-The-Move and At-The-Halt operations, (3) Dismounted Systems (used by TACPs in wearable configurations), (4) Joint all-Domain Command and Control (JADC2) software, and (5) Support distributed and resilient ground-based command and control teams that leverage airpower within the Theater Air Control System. To ensure survivable and effective C3 capabilities, TACP needs to develop equipment capable of: sensing (passive and active) enemy activity within the electromagnetic environment and deliver non-kinetic effects through ground-based EMSO capabilities; developing and integrating a passive IR sensor which will provide a 24/7 360 degree infrared imaging capability utilizing artificial intelligence for threat detection; developing High Capacity Beyond Line of Sight (BLOS) Baseband Backhaul (BB/BH) systems and other communications support equipment; integrating advanced defined waveforms (Low Probability of Intercept/Low Probability of Detection (LPI/LPD)); improving network architecture to move data across elements & echelons and using Small Unmanned Aircraft Systems (sUAS) for force protection and network extension. FY2027 funding will allow for the continued development of TACP mission software (Warhawk and Joint Personal Edge Computing Device - Tactical Android (JPECD-TA)/Tactical Assault Kit (TAK)), Tactical Laser Communications capabilities, other JADC2 network enabling software applications and suites, EMSO and BLOS BB/BH. TACP mission software will allow enhanced capability and seamless communication between the operations centers and the TACP military units in high combat areas. The Tactical Laser Communications project includes the development of a Portable Optical Communication Terminal prototype, providing a Low Probability of Intercept/Low Probability of Detection, highly anti-jammable communication capability, and the development of a supporting Tactical Grid Boundary network, which will enable global access into the Department of Defense information Network, ensuring diverse and resilient pathways for data transmission for TACP military units in remote locations. TACP-M funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs such as but not limited to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207457F I Air Force Special Warfare (SPECWAR)
Items requested in FY2027 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed 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 units.		
D. The Joint Terminal Control Training and Rehearsal (JTC TRS) Program , under the Tactical Airborne Control System, funds development necessary to provide a Distributed Mission Operations (DMO) capable, high-fidelity simulator for Special Warfare airmen, to include TACP, ST/CCT, Joint Terminal Attack Controller (JTAC) operations and ASOC operations.		
JTC TRS is essential to provide initial training, mission qualification training, continuation training, and currency control requirements to JTACs and Special Tactics personnel. JTAC control training requirements exceed the ability of live-fly aircraft to meet, and JTC TRS is the only capability enabling JTACs to achieve and maintain minimum required training for both qualification and proficiency in accordance with the U.S and Partner Nation Memorandum of Agreement for JTAC certification and qualification.		
The JTC TRS Program provides research and development to facilitate interoperability with joint and sister Service air-ground simulation using industry standards. JTC TRS will provide the capability to network aircrew full mission trainers and training centers in a live-virtual-constructive network. This development effort will also integrate ASOCs with the Joint Theater Air Ground Simulation System (JTAGSS) trainer for Joint Fires integration. The simulator will supplement live field training and live-fly sorties to provide realistic introductory, proficiency, currency, and upgrade training in a simulated battlefield, disaster, or humanitarian relief environment.		
JTAGSS is a continuation of the ASOC simulation trainer initially funded in 2009 and complements the JTC TRS trainer by providing a total air-ground constructive simulation environment for integrated networked training and mission rehearsal capability that will develop TACP/CCT/JTAC and ASOC/Special Operations Forces (SOF) C2 battle staff skills. JTAGSS will provide the ASOC, SOF, and TACP with the vertical and horizontal C2 communications and coordination training and mission rehearsal required for mission effectiveness. There are insufficient exercises and live training events available to meet mandated readiness requirements. The system will include a secure network connection, a constructive simulation environment generator with sharable databases, computer workstations that have synthetic reflex agent applications for each ASOC/SOF crew position to execute the Air Tasking Order.		
FY2027 funding will continue development of AI-based Reflex Agent Manager/Role Player and both the development and integration of WARHAWK into JTAGSS Command and Control Trainers and implementation of advanced Air Support Operations Center (ASOC) capabilities. Funds may be used to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues. DMS efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards initiative.		
In FY2027, PE 0207457F, (Air Force Special Warfare (SPECWAR)), Project 675234, (TACP Support) efforts were transferred to PE 0207418F, (AFSPECWAR-TACP), Project 675234, (TACP Support), in order to realign funding to its previous PE.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207457F I Air Force Special Warfare (SPECWAR)				
The FY2026 request was reduced by 0.620 Million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	27.526	0.000	0.000	0.000
Current President's Budget		0.000	27.149	24.423	0.000	24.423
Total Adjustments		0.000	-0.377	24.423	0.000	24.423
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	-0.377			
• Other Adjustments		0.000	0.000	24.423	0.000	24.423
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675138 / ST System Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675138: ST System Development	0.000	0.000	9.622	9.893	0.000	9.893	10.245	8.104	3.887	4.120	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Special Tactics (ST)/Combat Control (ST/CC) is a human-based weapon system, comprised of both human and equipment capabilities formulated to provide the Air Force and Joint Force with support across the following missions: Global Access, Precision Strike, and PR; with additional focus on EMSO, Counter-Unmanned Aircraft Systems (UAS), and Ground-based Suppression of Enemy Air Defenses (SEAD). ST is employed by Air Force Special Operations Command (AFSOC) across two distinct operator specialties: Combat Control, and Special Reconnaissance.

Special Warfare Acquisition, Growth and Refresh (SWAGR) is the program of record to develop, integrate, test, procure and field the latest technology and equipment across a wide range of capabilities to ensure AFSPECWAR ST operators can achieve the mission sets outlined above. Specifically, SWAGR delivers modernized capability in the areas of body-worn hardware/software, tactical communications, ground mobility, small UAS, visual augmentation, maritime, special reconnaissance, technical recovery, and assault zones.

FY2027 Funding will provide for continued software development and modernization of the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for ST operators in the battlespace. These enhancements will improve the ability recognize, identify, range, nominate, and designate targets during both day and night operations. Improvements will also significantly reduce the time required to find, track, fix targets, 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 C2 centers. Funding will also provide for the development and test of emerging technology, and the integration of the latest mature technology into the ST weapon system to conduct mission essential tasks.

Items requested in FY2027 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed 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 units.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: SWAGR	0.000	9.622	9.893

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675138 / ST System Development		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Special Warfare Acquisition Growth and Refresh (SWAGR) is the program of record to develop, integrate, test, procure and field the latest technology and equipment across a wide range of capabilities in the areas of body-worn hardware/software, tactical communications, ground mobility, small UAS, visual augmentation, maritime, special reconnaissance, technical recovery, and assault zones. SWAGR provides for the development and test of emerging technology, and the integration of the latest mature technology into the Special Tactics (ST) weapon system to conduct mission essential tasks such as improving support to Global Access (through Assault Zone operations and surveys), Precision Strike, Personnel Recovery, Counter-Space, Counter-UAS Operations, Ground-based SEAD, Electromagnetic Spectrum Operations (to include awareness/defensive/offensive capabilities), and any other ST capability needs. FY 2026 Plans: - Continue to develop software and modernize the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for ST operators in the battlespace - Continue to perform testing for ST systems to support full spectrum certification, JITC, AFSIT, and ATO approvals - Continue to research, develop, integrate and test capabilities for sensing (passive and active) enemy activity within the electromagnetic spectrum and jamming effectiveness, Low Probability of Intercept/Detection (LPI/LPD), Small UAS comm relay systems, ground-based SEAD, and any other emerging ST requirements - Continue to study requirements to address future capability gaps - Continue to transition emerging technologies to advance ST capabilities FY 2027 Plans: -Will continue to develop, integrate, and test body-worn kit software to enhance situational awareness, communications, information management, and airpower integration for ST operators in the battlespace. -Will continue to perform testing for ST systems to support full spectrum certification, JITC, AFSIT, and ATO approvals. -Will continue to research, develop, integrate, and test capabilities for sensing (passive and active) enemy activity and jamming effectiveness, Low Probability of Intercept/Detection (LPI/LPD), Small UAS comm relay systems, ground-based SEAD, and other emerging ST requirements. -Will continue to study requirements to address future capability gaps. -Will transition emerging technologies to advance ST capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: Modernization of the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for ST operators in the battlespace. Funding will also provide for the development and test of emerging technology, and the integration of the latest mature technology into the ST weapon system to conduct mission essential tasks.				
Accomplishments/Planned Programs Subtotals		0.000	9.622	9.893

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675138 / ST System Development	

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 04 842990: <i>Personal Safety and Rescue Equipment</i>	5.058	4.599	3.672	-	3.672	5.277	14.517	14.795	15.091	Continuing	Continuing
• OPAF 03 837100: <i>Tactical C-E Equipment</i>	24.814	20.335	21.209	-	21.209	26.658	40.385	41.133	41.956	Continuing	Continuing

Remarks

D. Acquisition Strategy

Special Warfare Acquisition Growth and Refresh (SWAGR) awarded a competitive Systems Engineering and Integration contract in May FY 2023 to continue development and modernization of the software on the body worn kit from the prior machine-to-machine (M2M) software development contract.

This effort includes system engineering, design, integration, and fielding support for M2M software. The above efforts may change based on the need to support current Air Force mission requirements. Program management for the SWAGR program is under direction of the Program Executive Office Intelligence, Surveillance, Reconnaissance (ISR) and Special Operations Forces (SOF), Air Force Life Cycle Management Center (AFLCMC) Air Force Materiel Command, at Wright-Patterson Air Force Base, Ohio. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675138 / ST System Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ST System Development	C/Various	Various : Various	-	-		1.116	Dec 2025	1.171	Dec 2026	-		1.171	Continuing	Continuing	-
Systems Engineering and Integration	C/CPFF	General Dynamics IT : Dayton, OH	-	-		2.340	Oct 2025	2.500	Oct 2026	-		2.500	Continuing	Continuing	-
Subtotal			-	-		3.456		3.671		-		3.671	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	WR	TBD : WPAFB, OH	-	-		1.500	Oct 2025	1.540	Oct 2026	-		1.540	Continuing	Continuing	-
DCA Civilian Pay	WR	TBD : Hurlburt Field, FL	-	-		0.866	Oct 2025	0.882	Oct 2026	-		0.882	Continuing	Continuing	-
Subtotal			-	-		2.366		2.422		-		2.422	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Agency Support	Various	46 TS : Eglin AFB, FL	-	-		3.400	Jan 2026	3.400	Jan 2027	-		3.400	Continuing	Continuing	-
Subtotal			-	-		3.400		3.400		-		3.400	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	Various : Various	-	-		0.400	Dec 2025	0.400	Dec 2026	-		0.400	Continuing	Continuing	-
Subtotal			-	-		0.400		0.400		-		0.400	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675138 / ST System Development				
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		9.622		9.893		-		9.893	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)								Project (Number/Name) 675138 / ST System Development			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675138 / ST System Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ST System Development				
SWAGR	1	2025	4	2031

Note
This is not a new start. Previous funding reported in BA 07 Project 0408011F

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675234 / TACP Support			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675234: TACP Support	0.000	0.000	4.108	0.000	0.000	0.000	0.000	0.000	0.000	1.253	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
a. The Joint Terminal Control Training and Rehearsal (JTC TRS) Program, under the Tactical Airborne Control System, funds development necessary to provide a Distributed Mission Operations (DMO) capable, high-fidelity simulator for Special Warfare airmen, to include TACP, ST/CCT, Joint Terminal Attack Controller (JTAC) operations and ASOC operations.												
JTC TRS is essential to provide initial training, mission qualification training, continuation training, and currency control requirements to JTACs and Special Tactics personnel. JTAC control training requirements exceed the ability of live-fly aircraft to meet, and JTC TRS is the only capability enabling JTACs to achieve and maintain minimum required training for both qualification and proficiency in accordance with the U.S and Partner Nation Memorandum of Agreement for JTAC certification and qualification.												
The JTC TRS Program provides research and development to facilitate interoperability with joint and sister Service air-ground simulation using industry standards. JTC TRS will provide the capability to network aircrew full mission trainers and training centers in a live-virtual-constructive network. This development effort will also integrate ASOCs with the Joint Theater Air Ground Simulation System (JTAGSS) trainer for Joint Fires integration. The simulator will supplement live field training and live-fly sorties to provide realistic introductory, proficiency, currency, and upgrade training in a simulated battlefield, disaster, or humanitarian relief environment.												
b. JTAGSS is a continuation of the ASOC simulation trainer initially funded in 2009 and complements the JTC TRS trainer by providing a total air-ground constructive simulation environment for integrated networked training and mission rehearsal capability that will develop TACP/CCT/JTAC and ASOC/Special Operations Forces (SOF) C2 battle staff skills. JTAGSS will provide the ASOC, SOF, and TACP with the vertical and horizontal C2 communications and coordination training and mission rehearsal required for mission effectiveness. There are insufficient exercises and live training events available to meet mandated readiness requirements. The system will include a secure network connection, a constructive simulation environment generator with sharable databases, computer workstations that have synthetic reflex agent applications for each ASOC/SOF crew position to execute the Air Tasking Order.												
FY2027 funding was realigned to PE 0207418F.												
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: JTC TRS Trainer Development									0.000	4.108	0.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)			Project (Number/Name) 675234 / TACP Support				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Description: Development and Test of Engineering Change Proposals for Tactical Air Control Party (TACP)-Close Air Support System (CASS) FY 2026 Plans: -Continue development and test of Project Jericho Joint Terminal Control Training and Rehearsal System (JTC TRS) Modernizations -Continue development and test of an AI-based Random Asset Manager/Role Player capability for JTC TRS and Joint Theater Air-Ground Simulator System (JTAGSS) Devices -Continue development, test, and integration of WARHAWK into JTAGSS Devices FY 2027 Plans: FY27 funding was realigned to PE 27418F. FY 2026 to FY 2027 Increase/Decrease Statement: FY27 funding was realigned to PE 27418F.											
Accomplishments/Planned Programs Subtotals							0.000	4.108	0.000		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 837100: Tactical C-E Equipment	3.620	5.645	3.807	-	3.807	-	-	-	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The Joint Terminal Control Training and Rehearsal System (JTC TRS) acquisition has provided full capability as defined in the Capability Production Document (CPD). A Full and Open competitive source selection was conducted and resulted in the award of a single contract to produce and sustain the JTC TRS family of systems. The contract includes pre-priced production options for additional JTC TRS production, Emulated Military Equipment (EME) program management, cybersecurity support, Contractor Logistic Support (CLS), Training System Support Center (TSSC) for both JTC TRS and JTAGSS devices, training, and device relocation. The contract structure allows for maintaining concurrency, fidelity and connectivity; implementing system improvements/technical refresh; and other modifications as required. JTC TRS awarded the competitive contract in June 2021. b. The acquisition strategy for the JTAGSS trainer will be to field advance technology demonstration units to continue to perform proof of concept and technology validation of mission simulations for all Air Support Operations Center (ASOC) crew positions including detailed communications planning, asset deconfliction,											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675234 / TACP Support
integration of joint fires, and other critical mission areas required for integrated Tactical Air Control Party/Air Support Operations Center (TACP/ASOC) Command and Control (C2) mission success. At the completion of the technology validation, a contract will be competitively awarded to complete JTAGSS development, deployment and integration. Current software is Government or Commercial Off-the-Shelf technologies (GOTS/COTS) allowing almost any training technology development company to compete, which lowers technical risk, schedule risk, and cost.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)						Project (Number/Name) 675234 / TACP Support			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Not specified.	TBD	Not specified. : TBD	-	-		3.958	Mar 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		3.958		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Not specified.	C/Various	Not specified. : TBD	-	-		0.150	Feb 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.150		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		4.108		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)								Project (Number/Name) 675234 / TACP Support			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675234 / TACP Support

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JTC TRS Development				
Development and Test TACP Engineering Change Proposals	1	2026	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675352 / Guardian Angel RDT&E			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675352: Guardian Angel RDT&E	0.000	0.000	1.758	1.988	0.000	1.988	2.184	1.698	0.942	0.995	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Guardian Angel (GA) is a Family of Systems (FoS) based in both human and equipment capabilities formulated to execute Air Force Personnel Recovery (PR) across the full spectrum of military operations. The GA FoS is employed by three distinct Air Force specialties: Pararescue men (PJ), Combat Rescue Officer (CRO), and Survival, Evasion, Resistance, Escape (SERE) and is comprised of nine critical mission areas: Precision Aerial Insertion, Information Management, Force Application, Visual Augmentation, Maritime Recovery, Ground Mobility, Technical Rescue, Medical, and SERE.

In order to stay aligned with the Department of War Focus Area Command and Control (C2), logistics mobility (land/water), FY2027 funding will be used to obtain significant improvements in operational capability and develop items within the GA FoS to include but not limited to: Maritime Recovery (open ocean boat), Ground Mobility, Technical Recovery, Precision Aerial Insertion (cargo & personnel parachutes), Medical (Simulators), Information Management, SERE, Visual Augmentation (night vision, augmented reality) and Force Protection. The GA weapon system development/Innovation activities also include studies, analysis, requirements development and developmental testing to support both current and future program planning and execution, quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Funding will deliver enhanced capability for the dismounted GA Operators in terms of dramatic weight reduction, standardization of items across units, and increased mission effectiveness across the conflict spectrum.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Guardian Angel Family of Systems (FOS)	0.000	1.758	1.988
Description: Standardize, modernize and develop additional capability for the Guardian Angel (GA) weapon system used by Combat Rescue Officers and Pararescue men. Development efforts provide enhanced and improved capabilities for execution of Air Force combat search and rescue and personnel recovery. This weapon system is utilized across the full spectrum of Personnel Recovery (PR) military operations to include patient treatment, extrication, surface/underwater search and recovery, airborne infil/exfil, and ground recovery operations and Survival, Evasion, Resistance, Escape (SERE).			
FY 2026 Plans: - Continue to complete studies, strategic planning, and test development activities for increased capability - Continue necessary software upgrades to Special Warfare Assault Kit (SWAK) information management system - Conduct testing for SECAF OI & OSD Focus Area for Resilient Basing (Agile Combat Employment).			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 675352 / Guardian Angel RDT&E			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
- Conduct development and system enhancements on existing and future systems by incorporating test feedback and user inputs into subsequent iterations for improved capability and human systems integration - Meet periodically with AFRL to monitor ongoing RDT&E efforts and determine the best use of such funds FY 2027 Plans: - Will continue to complete studies, strategic planning, and test development activities for increased capability. - Will continue necessary software upgrades to Special Warfare Assault Kit (SWAK) and various information management systems. - Will conduct testing for SECAF OI & OSW Focus Area for Resilient Basing (Agile Combat Employment). - Will conduct development and system enhancements on existing and future systems by incorporating test feedback and user inputs into subsequent iterations for improved capability and human systems integration. - Will meet with AFRL periodically to monitor ongoing RDT&E efforts and determine the best use of such funds. FY 2026 to FY 2027 Increase/Decrease Statement: Modernization of the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for GA operators in the battlespace. Funding will also provide for the development and test of emerging technology, and the integration of the latest mature technology to conduct mission essential tasks.											
Accomplishments/Planned Programs Subtotals								0.000	1.758	1.988	
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOC</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 02 823230: <i>Security And Tactical Vehicles</i>	0.301	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.301
• OPAF 04 842990: <i>Personal Safety and Rescue Equipment</i>	25.841	24.434	28.187	-	28.187	28.551	28.879	29.262	29.847	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The GA program was established in 2010 and entered the O&S phase of acquisition. Mission equipment is replaced both by attrition and by modernization needs identified in new requirements documents, driven by evolving mission needs, Joint and Air Force priorities and directives. Program priorities are: increased capability over legacy equipment, standardization across the force for reduced logistics footprint, improved interoperability and training, and reducing the Size/Weight/and Power (SWAP) of mission equipment for improved suitability for the dismounted operator. Reduced SWAP is a shared requirement across the entire SW community, and											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675352 / Guardian Angel RDT&E
common solutions are developed and procured for GA, SWAGR and TACP programs through the Special Warfare Program office, reducing cost and increasing interoperability.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)					Project (Number/Name) 675352 / Guardian Angel RDT&E				
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPAF	Various : Various	-	-		0.050	Jan 2026	0.063	Jan 2027	-		0.063	Continuing	Continuing	-
Systems Engineering and Integration (SE&I)	Various	Various : Various	-	-		1.345	Apr 2026	1.429	Apr 2027	-		1.429	Continuing	Continuing	-
Subtotal			-	-		1.395		1.492		-		1.492	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	WR	TBD : WPAFB, OH	-	-		0.363	Oct 2025	0.496	Oct 2026	-		0.496	Continuing	Continuing	-
Subtotal			-	-		0.363		0.496		-		0.496	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		1.758		1.988		-		1.988	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0207457F / Air Force Special Warfare (S PECWAR)					675352 / Guardian Angel RDT&E									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Events By Sub Project																												
Information Management Software																												
Test Activities																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 675352 / Guardian Angel RDT&E

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Events By Sub Project				
Information Management Software	1	2025	4	2031
Test Activities	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 676013 / Equipment Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676013: Equipment Modernization	0.000	0.000	11.661	12.542	0.000	12.542	6.005	4.080	1.333	1.458	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Air Force Special Warfare (AFSPECWAR) Tactical Air Control Party (TACP) Weapon System executes precision strike, integration, and all-domain command and control missions to meet Air Force power projection for the joint force's expanded maneuver. They do this by providing joint force air component commanders with a highly trained force that operates at the tactical edge in highly contested environments and complicates enemy decision-making processes. TACP Airmen plan, request, advise, and control joint fires and air power to meet multinational operations and supported Combatant commander's objectives.

The purpose of Tactical Air Control Party - Modernization (TACP-M) programs are to provide TACPs with modernized voice, data, and video communications, including diverse waveforms and software, advanced targeting equipment, and enhanced battlefield awareness/management capabilities across all domains. Improved targeting and data communications capabilities improve kill chain timelines, defeat adversary systems through opening and closing kill webs, extended critical networks to the forward edge, and when required reduce the probability of fratricide or collateral damage. TACP-M programs address frequent TACP combat deployments that sometimes lead users to change equipment procurement requirements to support urgent operational needs and respond to evolving threat environments.

TACP-M programs jointly develop and procure software, hardware and test assets with other AFSPECWAR programs to consolidate requirements that are common across the AFSPECWAR enterprise. This teaming arrangement helps standardize equipment, improve efficiency by consolidating acquisition efforts, enabling a common baseline, and reducing overall costs.

TACP-M programs provide and modernize capabilities in the following five major areas: (1) Air Support Operations Center (ASOC)/Tactical Operational Center (TOC) systems; also known as TACP Command and Control and communications (C3) (used in static, mobile and maneuverable operations centers), (2) Vehicle Mounted Systems (used in tactical vehicles) for On-The-Move and At-The-Halt operations, (3) Dismounted Systems (used by TACPs in wearable configurations), (4) Joint all-Domain Command and Control (JADC2) software, and (5) Support distributed and resilient ground-based command and control teams that leverage airpower within the Theater Air Control System.

To ensure survivable and effective C3 capabilities, TACP needs to develop equipment capable of: sensing (passive and active) enemy activity within the electromagnetic environment and deliver non-kinetic effects through ground-based EMSO capabilities; developing and integrating a passive IR sensor which will provide a 24/7 360 degree infrared imaging capability utilizing artificial intelligence for threat detection; developing High Capacity Beyond Line of Sight (BLOS) Baseband Backhaul (BB/ BH) systems and other communications support equipment; integrating advanced defined waveforms (Low Probability of Intercept/Low Probability of Detection (LPI/ LPD)); improving network architecture to move data across elements & echelons and using Small Unmanned Aircraft Systems (sUAS) for force protection and network extension.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 676013 / Equipment Modernization		
FY2027 funding will allow for the continued development of TACP Mission Software, WARHAWK and Joint Personal Edge Computing Device-Tactical Android(JPECD-TA)/Tactical Assault Kit (TAK) software Tactical Laser Communications capabilities, other JADC2 network enabling software applications and suites, EMSO and BLOS BB/BH. TACP Mission Software includes the WARHAWK and JPECD-TA software programs modernizing the software used in Command, Control, Communications and Cybersecurity (C4) processing systems for ASOC/TOC (TACP C2) operations, as well as vehicle Mounted and Dismounted operations. The software will allow enhanced capability and seamless communication between the operations centers and the TACP military units in high combat areas. The Tactical Laser Communications project includes the development of a Portable Optical Communication Terminal prototype, providing a Low Probability of Intercept/Low Probability of Detection, highly anti-jammable communication capability. The Tactical Laser Communications project also includes the development of supporting Tactical Grid Boundary network, enabling global access into the Department of Defense information Network, ensuring diverse and resilient pathways for data transmission for TACP military units in remote locations. TACP-M funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs such as but not limited to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Items requested in FY2027 as identified in this Exhibit are representative but not limited to the items to be developed. Items developed 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 units. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: TACP Mission Software		0.000	11.661	12.542
Description: The TACP Mission Software will modernize the software used in Command, Control, Communications and Cybersecurity (C4) processing systems for ASOC/TOC (TACP C2) operations, as well as vehicle Mounted and Dismounted operations. The software will allow enhanced capability and seamless communication between the operations centers and the TACP military units in high contested areas.				
FY 2026 Plans:				
-Continue agile software development with at least quarterly software releases across TACP systems.				
-Continue testing software releases, as applicable				
-Continue to support development/fielding of Joint Personal Edge Computing Device - Tactical Android (JPECD-TA (JPECD-TA)/Tactical Assault Kit (TAK) and other Dismounted Special Warfare software				
-Continue TACP common software architecture for further development to meet other Special Warfare airman operational needs				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)			Project (Number/Name) 676013 / Equipment Modernization				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
-Continue to integrate WARHAWK with ASOC/TOC (TACP C2) software acquisition -Continue to integrate and test software data communications interfaces with C2 Nodes, Close Air Support (CAS) aircraft, Army Tactical Network (ATN), Soldier Radios Waveform (SRW) networks, Theater Battle Management Core Systems (TBMCS), and Mobile User Objective System (MUOS) Satellite communications (SATCOM) networks to enhance interoperability between TACPs and other joint warfighters -Conduct investigations, studies, assessments, and development/integration to provide additional features (capabilities) for the software, EMS and BLOS BB/BH -Continue to develop the Portable Optical Communication Terminal prototype -Continue to develop, install, and integrate the Tactical Laser Comms, Tactical Grid Boundary network FY 2027 Plans: -Will continue agile software development with at least quarterly software releases across TACP systems -Will continue testing software releases, as applicable -Will continue to support development/fielding of Joint Personal Edge Computing Device - Tactical Android (JPECD-TA)/Tactical Assault Kit (TAK) and other Dismounted Special Warfare software -Will continue TACP common software architecture for further development to meet other Special Warfare airman operational needs -Will continue to integrate WARHAWK with ASOC/TOC (TACP C2) software acquisition -Will continue to purchase and support software licenses needed by TACP and TACP Mission Software -Will conduct investigations, studies and assessments to provide additional features (capabilities) for the software. -Will conduct investigations, studies, assessments, and development/integration to provide additional features (capabilities) for the software, EMS, BLOS BB/BH, sUAS, and WAIS. FY 2026 to FY 2027 Increase/Decrease Statement: Increase in funding due to inflationary adjustments and to perform additional WARHAWK software sprint releases											
Accomplishments/Planned Programs Subtotals							0.000	11.661	12.542		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 837100: Tactical C-E Equipment	51.076	53.697	59.582	-	59.582	37.542	38.052	38.755	39.530	Continuing	Continuing
Remarks											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 676013 / Equipment Modernization
D. Acquisition Strategy WARHAWK follow-on contract continues activities through FY2030. The Air Support Operations Center (ASOC)-Mod (also Known as TACP C2) effort will continue to modernize fielded ASOC/Tactical Operational Center (TOC) software capabilities by developing enhanced communications capabilities. The SWAK/TAK Dismounted software awarded the follow-on Systems Engineering and Integration (S&EI) contract in May 23, which continues agile development and deployment through FY 2033. The Air Force Life Cycle Management Center (AFLCMC) located at Wright-Patterson AFB, OH is the contracting authority for the TACP-M program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)				Project (Number/Name) 676013 / Equipment Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
(JPECD-TA/TAK) SoftwareDev Dismounted	Various	GDIT : Dayton, OH	-	-		3.345	Nov 2025	3.819	Nov 2026	-		3.819	Continuing	Continuing	-
WARHAWK Software System Dev Mounted ATM	C/CPAF	GDIT : Dayton, OH	-	-		4.446	Mar 2026	6.795	Mar 2027	-		6.795	Continuing	Continuing	-
WARHAWK Software NSWC, Crane (Naval Surface Warfare Center)	MIPR	NSWC Crane : Crane, IN	-	-		1.174	Jan 2026	1.276	Feb 2027	-		1.276	Continuing	Continuing	-
Product Development	Various	Not specified. : TBD	-	-		2.059		0.001	Mar 2027	-		0.001	Continuing	Continuing	-
Systems Engineering & Integration	Various	Not specified. : TBD	-	-		-		0.001	Mar 2027	-		0.001	Continuing	Continuing	-
Subtotal			-	-		11.024		11.892		-		11.892	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Agency Support	PO	Various : Multiple, FL	-	-		0.635	Apr 2026	0.648	Apr 2027	-		0.648	Continuing	Continuing	-
Test Agency Support - Other	Various	Not specified : Multiple, FL	-	-		0.001		0.001		-		0.001	Continuing	Continuing	-
Subtotal			-	-		0.636		0.649		-		0.649	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs (PSC)	Various	Various : TBD	-	-		0.001	May 2026	0.001	May 2027	-		0.001	Continuing	Continuing	-
Not specified.	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.001		0.001		-		0.001	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)					Project (Number/Name) 676013 / Equipment Modernization				
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	-	-		11.661		12.542		-		12.542	Continuing	Continuing	N/A	
Remarks														
(TAK/SWAK) Software Dev Dismounted: FY 2025-2033 provides funding to complete all approved/backlog development items and initial Cyber & Electronic Warfare integration/development														
WARHAWK Software Dev Mounted: Contract awarded in Jun 2025 with period of performance through 2030 to support software development.														

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)								Project (Number/Name) 676013 / Equipment Modernization			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207457F / Air Force Special Warfare (S PECWAR)	Project (Number/Name) 676013 / Equipment Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
TACP Mission Software				
DACAS (JPECD-TA/TAK) Software (all versions) Design, Development, Testing and Fielding	1	2025	4	2031
DACAS (WARHAWK) ATM Software (all versions) Design, Development, Testing and Fielding	1	2025	4	2031
Tactical Laser Communications - Development, Prototyping and Testing	4	2025	3	2026

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207461F I Flight Operations Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	15.978	0.000	15.978	16.997	16.067	19.233	19.235	Continuing	Continuing
674597: Kessel Run Flight Operations	0.000	0.000	0.000	15.978	0.000	15.978	16.997	16.067	19.233	19.235	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, PE 0204710F, Air & Space Operations Center (AOC), Project 674587, Kessel Run Flight Operations, efforts were transferred to PE 0207461F, Flight Operations Systems, Project 674587, Kessel Run Flight Operations, in order to increase transparency within its own program element as this program continues to grow into an enterprise solution.

A. Mission Description and Budget Item Justification

Kessel Run Flight Operations (KR Flight Ops) continues to develop and support software-based capabilities that optimize operational unit resource allocation, maximize the value of each mission or sortie, optimize fuel usage, and increase total force readiness. This program is required to enhance the Department of the Air Forces's ability to deliver mission-ready forces to meet global wartime and peacetime operations. Funding supports the development and fielding of the Aerospace Enterprise Readiness System (ARES), which is a cloud-based, modernized, and resilient application to support current and upcoming mission sets by providing operators with a single solution for tracking and monitoring schedules, training currency, stan/eval information, and resource allocation optimization. ARES provides real-time visibility into aircraft status, enabling informed decisions on sortie generation and readiness. Future capabilities may include data analytics and AI-driven scheduling and integration with Collaborative Combat Aircraft (CCA) and autonomous air vehicles. The ARES application will allow for the deprecation of three legacy systems (Patriot Excalibur (PEX), Puckboard, and Graduate Training Integration Management System (G/TIMS)). These capabilities support Air Mobility Command (AMC), Air Combat Command (ACC), Air Force Global Strike Command (AFGSC), Air National Guard Bureau (ANGB), Air Force Special Operations Command (AFSOC), Air Force Reserve Command (AFRC), and United States Space Force (USSF) requirements.

Efforts within this program align with and depend upon United State Air Force investment in Mission Planning Systems (PE 0208006F), Air Operations Center (PE 0207410F), All Domain Common Platform (0303248F), Command and Control Incident Management Emergency Response Application (C2IMERA) (0305836F), and Advanced Battle Management System (ABMS) (0604003F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities necessary for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207461F I Flight Operations Systems				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	0.000	0.000	0.000	0.000
Current President's Budget		0.000	0.000	15.978	0.000	15.978
Total Adjustments		0.000	0.000	15.978	0.000	15.978
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	15.978	0.000	15.978
Change Summary Explanation						
In FY 2027, PE 0207410F, (Air & Space Operations Center), Project 674597 (Kessel Run Flight Operations) efforts transfer to PE 0207461F (Kessel Run Flight Operations). Transfer of this project increases funding transparency of the project in a standalone funding line as it grows/matures into a reliable enterprise solution to replace legacy software.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Kessel Run Flight Operations				-	0.000	15.978
Description: • Complete delivery of Air Education and Training Command (AETC) Minimum Viable Capability Release (MVCR) and began the transition from the legacy Graduate Training Integration Management System (G/TIMS).						
• Deliver Minimum Viable Product (MVP) for ultimate replacement of the legacy G/TIMS application in support of Air Mobility Command (AMC) requirements						
• Deliver mobile access capabilities for Aerospace Enterprise Readiness System (ARES) to include employment on Electronic Flight Bags (EFB) and other approved mobile devices.						
FY 2026 Plans:						
For FY 2026 plans, please refer to PE 0207410F BPAC 674597 (Kessel Run Flight Operations)						
FY 2027 Plans:						
• Further development of ARES capabilities to accelerate deprecation of Patriot Excalibur (PEX) and Puckboard applications.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207461F / <i>Flight Operations Systems</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
• Incorporate requirements for scheduling, to include combat scheduling, training management, and standardization and evaluation (stan/eval) that incorporates requirements from all MAJCOMs and provides an enterprise solution for the Department of the Air Force (DAF). • Expedite the delivery of mission critical Command and Control (C2) capabilities and facilitate the timely deprecation of legacy C2 systems costing the DAF millions in sustainment costs. • Expedite development and deployment approach to support an aggressive timeline to fielding. The current milestone schedule for development of ARES is predicated on multiple development teams necessary to meet critical deliverable timelines. • Procure licenses for advanced development activities to include Artificial Intelligence/Machine Learning (AI/ML) capabilities utilized within the ARES application to increase application proficiency and efficacy. • Research and experiment on deploying ARES within a Denied, Disrupted, Intermittent, and Limited-Impact (DDIL) environment. • Develop options to transition ARES from Impact Level 4 (IL-4) to IL-6 partition. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> In FY 2027, the funding decreases to support higher Department of War priorities. FY 2026 funding for Kessel Run Flight Operations is under PE 0207410F, (Air & Space Operations Center), Project 674597 (Kessel Run Flight Operations) efforts.				
Accomplishments/Planned Programs Subtotals		-	0.000	15.978
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Aerospace Enterprise Readiness System (ARES) began with a prototyping effort utilizing an Other Transaction Authority agreement IAW 10 U.S.C. 167; 4022. From this prototype phase, one successful offeror was selected to continue the development of ARES through a production agreement. Program management for Kessel Run Flight Operations (KR Flight Ops) is under direction of the Program Acquisition Executive (PAE) Command, Control, & Communication Battle Management (C3BM). The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for the KR Flight Ops program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)				Project (Number/Name)					
3600 / 7						PE 0207461F / <i>Flight Operations Systems</i>				674597 / <i>Kessel Run Flight Operations</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flights Ops Development	C/Various	TBD : TBD	-	-		-		10.745	Nov 2026	-		10.745	Continuing	Continuing	-
Subtotal			-	-		-		10.745		-		10.745	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Engineering Squadron	PO	578th : Robins AFB, GA	-	-		-		2.269	Nov 2026	-		2.269	Continuing	Continuing	-
ARES System Integration Support	Various	Not specified. : Hanscom AFB, MA	-	-		-		0.516	Nov 2026	-		0.516	Continuing	Continuing	-
Subtotal			-	-		-		2.785		-		2.785	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	PO	96th Test Wing : Eglin AFB, FL	-	-		-		0.152	Nov 2026	-		0.152	Continuing	Continuing	-
Subtotal			-	-		-		0.152		-		0.152	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Ops Program Support	Various	Not specified. : Hanscom AFB, MA	-	-		-		2.296	Nov 2026	-		2.296	Continuing	Continuing	-
Subtotal			-	-		-		2.296		-		2.296	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207461F / <i>Flight Operations Systems</i>					Project (Number/Name) 674597 / <i>Kessel Run Flight Operations</i>				
		Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		-	-		-		15.978		-		15.978	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0207461F / *Flight Operations Systems*

Project (Number/Name)
674597 / *Kessel Run Flight Operations*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Flight Operations</i>																												
Software Development																												
Test and Evaluation																												
Engineering																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207461F / <i>Flight Operations Systems</i>	Project (Number/Name) 674597 / <i>Kessel Run Flight Operations</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Flight Operations</i>				
Software Development	1	2027	4	2031
Test and Evaluation	1	2027	4	2031
Engineering	1	2027	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207521F I Air Force Calibration Programs							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	2.213	2.242	2.220	0.000	2.220	2.300	2.344	2.388	2.437	Continuing	Continuing
673326: Precision Measurement & Calibration	0.000	2.213	2.242	2.220	0.000	2.220	2.300	2.344	2.388	2.437	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program develops, tests, and evaluates national and Air Force measurement standards (hardware) and calibration equipment in support of all Air Force programs and activities, including Precision Measurement Equipment Laboratories (PMELs) worldwide. Metrology research and development provides technology to support systems in all phases of development and acquisition, as well as Air Force R&D laboratories, test ranges, ground test facilities, and operational weapons systems support. Rapidly changing technology requires continuing research and development of measurement standards and calibration equipment to ensure modern weapon systems meet Air Force readiness objectives. This program addresses all metrology disciplines and includes the technology areas of laser, infrared, microwave, millimeter wave, optical, physical, mechanical, electrical, electronic, and ionizing radiation measurements. Metrology is a technical discipline devoted to the science of measurements and to the study and improvement of measurement technology. Measurements are the foundation of military system development, quality assurance, hardware conformance testing and system readiness tests. The integrity of these tests is assured through calibration and traceability assurance schemes.

The capability to measure and calibrate must parallel the emergence of new technology, new ranges, and new capabilities of military systems. Lack of new measurement capability impedes or blocks the successful exploitation of new technologies, especially in the movement from development laboratory to production to deployment. R&D efforts are essential within the DoD to pace these requirements, otherwise, these same new systems will suffer time delays, excessive cost, and increased risk due to unreliable test results in all phases of development, production, deployment and operation.

In direct support of SecDefs direction to increase readiness across the DoD, efforts within this PEC will be prioritized based on the National Defense Authorization Act (NDAA), USAF Force Design, Agile Combat Employment (ACE), and the Defense Planning Guide (DPG). These efforts will support work and collaboration efforts across the Combat Readiness Directorate in PE's 78051F, 71212F, 72833F, 64706F, 65827F, 22834F, 52834F, 28031F, 41135F and 27521F) -- to increase readiness across the Air Force Enterprise

This program element may include necessary civilian pay expenses required to manage, execute and deliver Air Force Calibration capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F. In FY24 0K was expended for civilian pay expenses in this program element and in FY25 175K is forecasted for civilian pay expenses in this program element.

Program is managed by Air Force Materiel Command, Agile Combat Support Directorate, Air Force Metrology Division (ROM).

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207521F I Air Force Calibration Programs				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		2.223	2.273	0.000	0.000	0.000
Current President's Budget		2.213	2.242	2.220	0.000	2.220
Total Adjustments		-0.010	-0.031	2.220	0.000	2.220
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		-0.010	-0.031	2.220	0.000	2.220
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Weapons System Measurement Standards				0.462	0.466	0.466
Description: Develop national measurement standards to support Air Force infared / laser / electro-optical weapon systems and support equipment.						
FY 2026 Plans: Continue development of national measurement standards to support Air Force infared / laser / electro-optical weapon systems and support equipment.						
FY 2027 Plans: Continue development of national measurement standards to support Air Force infared / laser / electro-optical weapon systems and support equipment.						
Title: Electrical Measurements				0.449	0.451	0.451
Description: Develop Standards for electrical measurements to support high accuracy electronic test equipment.						
FY 2026 Plans: Continue development of standards for electrical measurements to support high accuracy electronic test equipment.						
FY 2027 Plans:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207521F <i>I Air Force Calibration Programs</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continue development of standards for electrical measurements to support high accuracy electronic test equipment.				
Title: Calibration Standards Description: Develop improved calibration standards to support physical, mechanical, and electro-mechanical support equipment. FY 2026 Plans: Continue to develop improved calibration standards to support physical, mechanical, and electro-mechanical support equipment. FY 2027 Plans: Continue to develop improved calibration standards to support physical, mechanical, and electro-mechanical support equipment.		0.308	0.312	0.312
Title: Radar Support/Communications Description: Develop standards for radar support, RF communication, and radar cross section range measurements. FY 2026 Plans: Continue to develop standards for radar support, RF communication, and radar cross section range measurements. FY 2027 Plans: Continue to develop standards for radar support, RF communication, and radar cross section range measurements.		0.604	0.601	0.601
Title: Development of Self Calibrating Equipment Description: Development of self-calibrating, quantum-based calibration standards for all calibration domains. FY 2026 Plans: Temperature, Air Data ongoing projects FY 2027 Plans: Temperature, Air Data, Torque ongoing projects FY 2026 to FY 2027 Increase/Decrease Statement: Increase for equipment required for continuing projects.		0.390	0.412	0.390
Accomplishments/Planned Programs Subtotals		2.213	2.242	2.220
D. Other Program Funding Summary (\$ in Millions) N/A				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207521F <i>I Air Force Calibration Programs</i>	
D. Other Program Funding Summary (\$ in Millions)		
Remarks		
E. Acquisition Strategy Primarily accomplished through intergovernmental transfer between the Department of Defense and other Federal Departments.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207521F / Air Force Calibration Programs						Project (Number/Name) 673326 / Precision Measurement & Calibration			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
National Institute of Standards and Technology	MIPR	AFMETCAL : Heath, OH	-	1.622	Oct 2024	2.242	Oct 2025	2.220	Oct 2026	-		2.220	Continuing	Continuing	-
Department of Defense	MIPR	AFMETCAL : Heath, OH	-	0.062	Oct 2024	-		-		-		-	Continuing	Continuing	-
Industry	Various	AFMETCAL : Heath, OH	-	0.529	Oct 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	2.213		2.242		2.220		-		2.220	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	2.213		2.242		2.220		-		2.220	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0207521F / Air Force Calibration Programs										Project (Number/Name) 673326 / Precision Measurement & Calibration									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Precision Measurement & Calibration																												
Precision Measurement & Calibration																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207521F / Air Force Calibration Programs	Project (Number/Name) 673326 / Precision Measurement & Calibration

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Precision Measurement & Calibration				
Precision Measurement & Calibration	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0207573F I National Technical Nuclear Forensics							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	1.984	0.000	0.000	0.000	0.000	2.011	2.009	2.047	2.089	0.000	10.140
674881: Prompt Diagnostics	0.000	1.984	0.000	0.000	0.000	0.000	2.011	2.009	2.047	2.089	0.000	10.140
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This is an amendment, prior verbiage had this funding pointing to National Technical Nuclear Forensics [NTNF].

The United States Nuclear Detonation [NUDET] Detection System [USNDS] is the system used for the collection, analysis, and evaluation of signatures from NUDETS in the Atmosphere or Space. This funding is to integrate the data from the seconds and third Space and Atmospheric Burst Reporting System [SABRS] sensors into the Integrated Correlation and Display System [ICADS] and to develop algorithms, codes, and tools necessary to enable detailed Subject Matter Expert analysis of SABRS data.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	2.060	0.000	0.000	0.000	0.000
Current President's Budget	1.984	0.000	0.000	0.000	0.000
Total Adjustments	-0.076	0.000	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	-0.076	0.000	0.000	0.000	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026									
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207573F / <i>National Technical Nuclear Forensics</i>										
Change Summary Explanation FY2025 reduction of \$0.076 million due to SBIR.											
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027							
Title: ABRS 2/3 Integration/ Offline Tools Development Description: Develop the algorithms, codes, and tools necessary to fully exploit the data collected by the SABRS-2 and SABRS-3 sensor suites located on geostationary hosts. This detection system records signals resulting from a nuclear detonations occurring in space. These event signature elements support weapon and event characterization analysis for the purposes of identifying the weapon classification, magnitude of the detonation [yield], and Reaction Time History [RTH] of the device. The unique signatures captured by these sensors provide undeniable evidence of NUDETs occurring in space. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A		1.984	0.000	0.000							
Accomplishments/Planned Programs Subtotals		1.984	0.000	0.000							
D. Other Program Funding Summary (\$ in Millions)											
Line Item • OPAF 03 Line Item 834320: <i>National Technical Nuclear Forensics</i>	FY 2025 7.177	FY 2026 7.379	FY 2027 Base 7.524	FY 2027 OOC -	FY 2027 Total 7.524	FY 2028 7.674	FY 2029 -	FY 2030 -	FY 2031 -	Cost To Complete Continuing	Total Cost Continuing
Remarks											
E. Acquisition Strategy Contract strategy still being assessed, historically contracted via MIPR.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207573F / National Technical Nuclear Forensics						Project (Number/Name) 674881 / Prompt Diagnostics			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Nuclear Forensics - Prompt Diagnostics	MIPR	National Laboratory : TBD	-	1.984	Mar 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	1.984		-		-		-		-	Continuing	Continuing	N/A
Remarks Kansas City Nuclear Security Campus will work with several National Laboratories for reachback/collaboration on efforts.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.984		-		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026							
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207573F / National Technical Nuclear Forensics								Project (Number/Name) 674881 / Prompt Diagnostics							

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207573F / National Technical Nuclear Forensics	Project (Number/Name) 674881 / Prompt Diagnostics

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SABRS Agorithm and Tool Development				
Algorithm, Code, and Tool Development for SME Data Analysis	1	2025	4	2025

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207590F I Seek Eagle							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	34.982	33.706	36.710	0.000	36.710	38.024	38.743	39.481	40.280	Continuing	Continuing
674037: SEEK EAGLE Certifications	0.000	34.982	33.706	36.710	0.000	36.710	38.024	38.743	39.481	40.280	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Air Force SEEK EAGLE Office (AFSEO) is designated by the Assistant Secretary of the Air Force (Acquisition, Technology, and Logistics) as the center of expertise for aircraft-store compatibility activities and as the primary source of technical analysis and test support, as well as the central data repository, for the SEEK EAGLE process. The SEEK EAGLE process is a rigorous analysis of many factors to assure the safe and acceptable carriage and release (employment and jettison), safe escape, and ballistics accuracy of all stores on Air Force and foreign military sales aircraft. Thus, the AFSEO's mission as an accelerator is to ensure that every aircraft type is capable of employing the weapons and stores needed to meet Combatant Commander requirements, directly supporting the Secretary of the Air Force's (SECAF) and Secretary of War (SECWAR) operational and acquisition priorities.

The Air Force operates a variety of combat and other aircraft that carry numerous and varied stores: bombs, missiles, rockets, palletized munitions, chaff/flare, fuel tanks, cargo pods, targeting pods, electronic countermeasures pods, etc. Stores are carried in many different loading combinations determined by operational and training scenarios, missions, tactics, and weapon development programs. Additionally, aircraft-store configuration (carriage and employment) requirements change as operational plans and tactics are updated and/or as new stores are developed and fielded. Aircraft program managers must provide SEEK EAGLE certifications for all aircraft-store configurations within their user-established carriage and employment parameters before they may be used for operations, test, or training. The AFSEO completes flight clearance and certification recommendations through any combination of engineering analysis, wind tunnel testing, modeling and simulation, and ground/flight test and evaluation. These AFSEO recommendations are key artifacts for aircraft program managers demonstrating MIL-STD compliance for airworthiness and safety. AFSEO's efforts within the SEEK EAGLE process primarily encompass these eight engineering disciplines: Fit and Function, Flutter, Aircraft and Store Structural Integrity, Stability and Control, Electromagnetic Compatibility/Interference (EMC/EMI), Separations, Ballistics, and Safe Escape.

In support of certification, the AFSEO recommends approximately 1000 aircraft-store combinations for flight each year through engineering analysis and testing. The AFSEO certification portfolio includes the Next Generation Air Dominance (NGAD) Family of Systems, Collaborative Combat Aircraft (CCA) and B-21, as well as the following Mission Design Series aircraft: B-1, B-2, B-52, F-15, F-16, QF-16, F-22, F-35, KC-135, C-130, C-17, HH-60, MH-139, MQ-9, OA-1k, T-7, AT-6, and more. Accounting for factors from aircraft dynamics to day-of-flight conditions, AFSEO develops sophisticated Safe Escape and Ballistics tools that are integrated into the Joint Mission Planning System (JMPS). AFSEO also provides specialized software like Combat Weapon Delivery Software (CWDS) and Guided Weapon Trajectory Software (GWTS) directly to specific users, including approximately 25 FMS customers. The SEEK EAGLE Office also works in coordination with the Air Force Safety Center to provide Hazards of Electromagnetic Radiation to Ordnance (HERO) analysis and certification recommendations for ordnance systems containing electro-explosive devices. Additionally, to accelerate certification timelines and ensure a sustainable Air Force aircraft-store capability, AFSEO actively integrates cutting-edge technologies into the SEEK EAGLE process, streamlining the path to rapid acquisition and deployment.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207590F I Seek Eagle				
SEEK EAGLE funds are budgeted to support certification testing and analysis for a variety of new and inventory stores, including a growing focus on Advanced Precision Kill Weapon System (APKWS) rockets used for Counter-UAS, as well as Family of Affordable Mass Missiles (FAMM), specifically the -L (lugged) and -P (palletized) variants, Small Diameter Bombs (SDB I and II), Joint Direct Attack Munition (JDAM) variants, Quickstrike mines, Joint Air-to-Surface Standoff Missile (JASSM), Long-Range Anti-Ship Missile (LRASM), Air-to-Air Missiles (AIM-120 and AIM-9X), Miniature Air-Launched Decoy (MALD), smart bomb racks, targeting pods with video data link capabilities, the B61-12 nuclear free-fall weapon, penetrator warhead upgrades, electronic warfare and reconnaissance pods, and instrumentation pods. SEEK EAGLE funds also support certification of other inventory stores on Combat Air Forces (CAF) and Special Operations Command (SOCOM) aircraft. To ensure that these certification efforts are as cost-effective and efficient as possible, the AFSEO maintains the central data archive for all aircraft store compatibility analyses; while this archive requires ongoing investment in hardware, software, and licensing, it drastically reduces the need for costly and time-consuming ground and flight re-testing and speeds up acquisition and development by providing critical data, lessons learned, and reduced analysis time to other Department of Defense (DoD) organizations. In addition, these funds further support capability development and weapons certification efforts required by Air Combat Command (ACC) to achieve Full Operational Capability (FOC) for the F-35A. These weapons certification efforts directly support SECDEF emphasis areas (NGAD, B-21 and F-47 Families of Systems) and SECWAR emphasis areas (Nuclear Modernization, CCAs, Counter-small UAS Initiatives, and Munitions). This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2025, 8.925M was expended for civilian pay expenses in this program element, and 11.550M is forecasted for civilian pay expenses in FY 2026 in this program element. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		34.985	33.707	0.000	0.000	0.000
Current President's Budget		34.982	33.706	36.710	0.000	36.710
Total Adjustments		-0.003	-0.001	36.710	0.000	36.710
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.003	-0.001			
• Other Adjustments		0.000	0.000	36.710	0.000	36.710

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207590F I Seek Eagle		
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Aircraft-Store Certification Description: Evaluates aircraft-store compatibility through analysis of ground and flight test data. Supports procurement of test assets, such as instrumented weapons, and includes end-to-end tracking of MAJCOM requirements from user request to tech data fielding and operational flight program (OFP) updates. Provides certification recommendations to airworthiness authorities. FY 2026 Plans: -Continue to provide for USAF Air-to-Air and Air-to-Ground Munitions certification efforts, including towed decoys, ECM pods, chaff/flare countermeasures certification efforts, Airborne Instrumentation Systems pods, fuel tanks, and travel pods certification efforts. Efforts also include capability expansion on multiple aircraft for MALD, JASSM, APKWS, AIM-9x, AIM-120, and SDB II. -Continue to provide CWDS upgrade support, Safe Escape software updates and Safe Separation Time Data. FY 2027 Plans: Support USAF Air-to-Air and Air-to-Ground Munitions certification by prioritizing the procurement of test assets for developmental and operational testing, such as ground tests for electromagnetic compatibility and flight tests for separations. FY 2026 to FY 2027 Increase/Decrease Statement: General inflation increase and mission growth.		3.894	3.125	4.125
Title: Operations Baseline and Mission Support Description: Supports the ability to rapidly meet emerging warfighter needs for global operations and other ongoing world-wide operations through sustainment of a viable Air Force aircraft-store certification capability. FY 2026 Plans: -Continue to support increased Air Force munition and aircraft capability requirements that drive infrastructure and resource capacity needs within the SEEK EAGLE enterprise. FY 2027 Plans: Sustain a viable Air Force aircraft-store certification capability by supporting increased Air Force munition and aircraft capability requirements. FY 2026 to FY 2027 Increase/Decrease Statement:		22.840	22.517	23.758

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207590F / <i>Seek Eagle</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
General inflation increase				
Title: Advanced Capability Development Description: Provides resources to increase the Air Force SEEK EAGLE OFFICE (AFSEO) organic capabilities, to support advanced weapons such as hypersonic weapons and other classified weapons programs, as well as investing in the development of advanced modeling and analytical tools to make the SEEK EAGLE certification process more efficient in support of rapid acquisition timelines. These resources include, but are not limited to: artificial intelligence, modeling and simulation enhancements, wind tunnel model development, automated tool enhancements, information technology enhancements, and facility improvements. FY 2026 Plans: -Continue to complete development of the F-35 wind tunnel model -Continue to commence F-35 weapon certification partnership with Israeli Air Force -Continue to support investments in other advanced modeling and simulation, automated tool, and information technology enhancements FY 2027 Plans: Required resources to support fielding of advanced weapons as well as investing in the development of advanced modeling and analytical tools to ensure the Air Force SEEK EAGLE office certification process is more efficient in support of rapid acquisition timelines. FY 2026 to FY 2027 Increase/Decrease Statement: No Increase or Decrease from FY26 to FY27		3.458	3.180	3.180
Title: Tools, Equipment, and Capability Sustainment Description: Supports development and sustainment of state-of-the-art engineering and business tools to support the SEEK EAGLE enterprise. Funding resources are required for operational management of existing information and technology infrastructure, hardware, software, and equipment. FY 2026 Plans: -Continue to develop and sustain state-of-the-art engineering and business tools to support the SEEK EAGLE enterprise. FY 2027 Plans: Sustain increased requirements in order to continue to develop state-of-the-art engineering and business tools to not only support SEEK EAGLE enterprise but also growing multi-agency customer base. FY 2026 to FY 2027 Increase/Decrease Statement:		4.790	4.884	5.647

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207590F / <i>Seek Eagle</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
General inflation and increased engineering and business tool development				
Accomplishments/Planned Programs Subtotals		34.982	33.706	36.710
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy The SEEK EAGLE program is not an acquisition program in itself; instead it supports other acquisition programs, for both aircraft and weapons or other stores. For initial aircraft-weapons integration, the aircraft or weapon program office is responsible for budgeting and providing the test assets to the Air Force SEEK EAGLE Office (AFSEO) for the store certification requirements. For post-integration certification requirements, AFSEO funds are used to obtain the non-inventory test assets. In addition to the above highlights, budgeting responsibilities for AFSEO are delineated in Air Force Instruction 63-101/20-101, paragraph 5.4.22.1.3, dated 30 June 2020.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207590F / <i>Seek Eagle</i>				Project (Number/Name) 674037 / <i>SEEK EAGLE Certifications</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFSEO Mission and Planning Support (SEMATS)	C/CPFF	ERC : Ft. Walton Beach, FL	-	13.012	Oct 2024	13.619	Oct 2025	14.200	Oct 2026	-		14.200	Continuing	Continuing	-
F-35 Capabilities	C/CPFF	Lockheed Martin : Marietta, GA	-	0.318	Jan 2025	0.235	Jan 2026	0.280	Jan 2027	-		0.280	Continuing	Continuing	-
Multiple Fighter and Weapon Capability Support	C/Various	Multiple : Multiple	-	0.075	Mar 2025	1.381	Mar 2026	1.500	Mar 2027	-		1.500	Continuing	Continuing	-
F-16 Aero Sustainment	C/CPFF	Lockheed Martin : Fort Worth, TX	-	0.176	Dec 2024	0.412	Dec 2025	0.482	Dec 2026	-		0.482	Continuing	Continuing	-
Subtotal			-	13.581		15.647		16.462		-		16.462	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Tests and Aircraft/Store Compatibility Analysis	PO	96th Test Wing : Eglin AFB, FL	-	19.609	Oct 2024	14.249	Oct 2025	15.365	Oct 2026	-		15.365	Continuing	Continuing	-
Wind Tunnel Model/Design and Testing	PO	Arnold Engineering Dev Complex : Arnold AFB, TN	-	1.107	Jan 2025	3.125	Jan 2026	4.250	Jan 2027	-		4.250	Continuing	Continuing	-
Subtotal			-	20.716		17.374		19.615		-		19.615	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
A&AS Support (TMAS)	C/CPFF	AFTC : Eglin AFB, FL	-	0.458	Oct 2024	0.510	Oct 2025	0.510	Oct 2026	-		0.510	Continuing	Continuing	-
Management Support	Various	Various : Various, FL	-	0.227	Oct 2024	0.175	Oct 2025	0.123	Oct 2026	-		0.123	Continuing	Continuing	-
Subtotal			-	0.685		0.685		0.633		-		0.633	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207590F / Seek Eagle					Project (Number/Name) 674037 / SEEK EAGLE Certifications			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	34.982		33.706		36.710		-		36.710	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity								R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7								PE 0207590F / Seek Eagle						674037 / SEEK EAGLE Certifications			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SEEK EAGLE																												
Aircraft-Store Certification																												
Operations Baseline and Mission Support																												
Advanced Capability Development																												
Tools, Equipment, and Capability Sustainment																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207590F / Seek Eagle	Project (Number/Name) 674037 / SEEK EAGLE Certifications	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SEEK EAGLE				
Aircraft-Store Certification	1	2025	4	2031
Operations Baseline and Mission Support	1	2025	4	2031
Advanced Capability Development	1	2025	4	2031
Tools, Equipment, and Capability Sustainment	1	2025	4	2031

Note
Note: The SEEK EAGLE program supports both production stores on production aircraft and the planning for future acquisition program milestones without an anticipated end date. Current warfighter requirements trigger the SEEK EAGLE process for requested aircraft-store configurations, and work is completed in accordance with designated user priorities established through the SEEK EAGLE Prioritization List process.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207611F I Readiness Decision Support Enterprise							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	8.758	6.823	0.000	6.823	6.594	6.462	6.320	6.448	0.000	41.405
675273: Defense Readiness Reporting System (DRRS)	0.000	0.000	8.758	6.823	0.000	6.823	6.594	6.462	6.320	6.448	0.000	41.405
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This package incorporates RDT&E funds to maintain constant readiness landscape changes, which entail software changes, new requirements, etc. to Air Force DRRS-S. DRRS-S is an OSD platform providing readiness reporting capabilities to the DoD. The DRRS-S mission is to establish a mission focused, capabilities based, common framework that provides the combatant commanders, military services, Joint Chiefs of Staff, and other key DoD users a data-driven environment and tools in which to evaluate, in near real-time, the readiness and capability of the U.S. Armed Forces to carry our assigned and potential tasks. These assigned and potential tasks sometimes drive software changes and development specifically for the Air Force which require RDT&E funding to achieve the ability to measure readiness. One example would be the development of Combat Wing. This drives a new assessment framework which needs to be developed within DRRS-S so commanders can measure the readiness of combat wings as a single capability, which are different from the way the Air Force currently assesses readiness. By not having the development ability with the RDT&E funding, readiness reporting will not meet the needs of Joint Staff, Congress, Commanders, or any end users of Air Force Readiness data.

MODIFY THE DEFENSE READINESS REPORTING SYSTEM TO SUPPORT ENCHANCE RESOURCE REPORTING FOR COMBAT WINGS: Air Force modifications to force presentation and organization requires modifications new capabilities in DRRS to allow for presented forces to reflect meaningful resource and capability ratings that fully encompass the entirety of capability packages. This change will allow the AF to present fully capability packages with a single resource rating informed by supporting unit ratings. This will provide key decision makers with decision quality data reflecting the full capability package. This is in addition to the current functional unit structure that requires deeper cross referencing to account for the full capability package. The system will combine resource data from multiple units (where reasonable) to reflect combat unit readiness informed by combat support and combat service support limits.

MODIFY THE DEFENSE READINESS REPORTING SYSTEM AIR FORCE INPUT TOOL TO STREAMLINE REPORTING: The Air Force Input Tool module of DRRS is the interface by which Air Force units report Readiness. This effort streamlines the input process with structured in-system guidance to increase data quality. This effort utilizes robust tools to summarize unit resources for assessors and direct both qualitative and quantitative inputs to generate, value and risk to assigned capabilities and missions. The end state provides robust qualified Readiness data that highlights resource impacts to specific capabilities.

MODIFY THE DEFENSE READINESS REPORTING SYSTEM AIR FORCE INPUT TOOL TO SUPPORT ENHANCED ANALYTICS: Updating the Air Force Input Tool to align reported resources to specific capability elements and support advanced analytics that reflect detailed data impact to specific resource shortfalls. Additionally, this effort will support 'what if' reporting to provide AF leadership with preliminary evaluations given proposed Courses of Action (COA) options.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207611F I Readiness Decision Support Enterprise				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	8.880	0.000	0.000	0.000
Current President's Budget		0.000	8.758	6.823	0.000	6.823
Total Adjustments		0.000	-0.122	6.823	0.000	6.823
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	-0.122			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	6.823	0.000	6.823
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Defense Readiness Report System - Strategic				-	8.758	6.823
Description: Readiness Reporting Software Development						
FY 2026 Plans: Redesign and enhance legacy AF-IT tools. Continue OSD DRRS Implementation Office (DIO) partnership, enhancing DRRS source code to implement future Air Force requirements, develop/install future versions of AF-IT, and focus on requirements development to better meet CSAF and JS needs.						
FY 2027 Plans: Redesign and enhance legacy AF-IT tools. Continue OSD DRRS Implementation Office (DIO) partnership, enhancing DRRS source code to implement future Air Force requirements, develop/install future versions of AF-IT, and focus on requirements development to better meet CSAF and JS needs.						
FY 2026 to FY 2027 Increase/Decrease Statement: Increase is estimated and associated with inflation.						
Accomplishments/Planned Programs Subtotals				-	8.758	6.823
D. Other Program Funding Summary (\$ in Millions)						
N/A						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207611F I Readiness Decision Support Enterprise
D. Other Program Funding Summary (\$ in Millions)		
Remarks		
E. Acquisition Strategy Office of Secretary of Defense (OSD) utilizes a common contract vehicle to support Defense Readiness Reporting System (DRRS). The DAF partners with OSD for DRRS and AF-IT development. This partnership ensures OSD and AF continuous development continuity. On this contract AF has existing operating and maintenance support to manage standard maintenance and service specific support.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207611F / <i>Readiness Decision Support Enterprise</i>				Project (Number/Name) 675273 / <i>Defense Readiness Reporting System (DRRS)</i>					

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Labor, Software development and upgrade	MIPR	Not specified. : TBD	-	-		8.320	Nov 2025	6.462	Nov 2026	-		6.462	Continuing	Continuing	-
Admin	MIPR	Not specified. : TBD	-	-		0.416	Nov 2025	0.341	Nov 2026	-		0.341	Continuing	Continuing	-
Travel	MIPR	Not specified. : TBD	-	-		0.017	Nov 2025	0.015	Nov 2026	-		0.015	Continuing	Continuing	-
Other Direct Costs	MIPR	Not specified. : TBD	-	-		0.005	Nov 2025	0.005	Nov 2026	-		0.005	Continuing	Continuing	-
Subtotal			-	-		8.758		6.823		-		6.823	Continuing	Continuing	N/A

	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	8.758	6.823	-	6.823	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207611F / Readiness Decision Support Enterprise		Project (Number/Name) 675273 / Defense Readiness Reporting System (DRRS)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DRRS																												
Software Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207611F / Readiness Decision Support Enterprise	Project (Number/Name) 675273 / Defense Readiness Reporting System (DRRS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DRRS				
Software Development	1	2026	4	2029

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207697F I Distributed Training and Exercises							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.826	4.342	83.659	0.000	83.659	3.871	3.972	4.044	4.127	Continuing	Continuing
675190: JFCOM Wargaming	0.000	3.826	4.342	83.659	0.000	83.659	3.871	3.972	4.044	4.127	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding supports the CSAF Title 10 wargaming efforts to test concepts, capabilities, programming choices, and plans using simulation and other techniques, otherwise known as wargaming. Based on the Department and Air Force direction, there is a concerted effort in these periods of fiscal restraint to reinvigorate, institutionalize, and systematize wargaming across the Department. This effort requires continued funding to maintain the level of effort to most effectively pursue an innovative strategy, avoid operational and technical surprise and make best use of limited resources. The Air Force continues to refine the wargame process and design to better integrate and synergize those efforts in support of the Air Force Strategy, Planning, Programming, Budget, and Execution (SPPBE) process. Specifically, in addition to maintaining a robust Title 10 Wargame series, Global Engagement, servicing Chief of Staff of the Air Force (CSAF) objectives. The HAF Wargaming Enterprise is executing on-call Wargaming in support of the AF/A5/7, the Agile series, along with quick-turning wargame support to the USAF Enterprise Capability Collaboration Team (ECCT) requirements, the Enterprise series, Plan Blue, and to service AF/A5/7 strategy and concept development objectives; all to better address the requirements of the Strategy, Planning, Programming, Budget, and Execution (SPPBE) process and cycles. Additionally, HAF Wargaming provides and coordinates Air Force representation at other Service and Joint wargames as they execute across the department. These efforts are providing decision support to senior Air Force leaders involving investment strategies and develop concepts to best employ U.S. forces in future conflicts.

The Wargame Information Environment (WIE) is a continually evolving system that provides an array of services to game players which enables the accomplishment of game objectives. The backbone of the WIE is GameNet, a deployable, standalone, Local Area Network (LAN) with servers and laptops that host applications to support virtual battlespace collaboration, decision making, three-dimensional visualizations & mapping, and services. Behind these applications are cutting edge technologies and database architectures from both commercial off-the-shelf and government developed software that assures relevance to the wargame. The modeling, simulation, and analysis applications allow participants, adjudicators, and control team members to effectively and efficiently collaborate, make decisions, present those decisions, and execute moves within the wargame; documenting each step in the process. This information capture enables discovery during the wargame and permits postgame analysis. These findings inform portfolio rebalancing exercises, concept and strategy development, and very senior leader decision making.

The FY2026 spend plan amount for Research, Development, Testing and Evaluation includes \$4,342 thousand of discretionary and \$10,000 of mandatory (reconciliation) for a total of \$14,342 thousand.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2024 0 was expended for civilian pay expenses in this program element, and in FY2025 0 is forecasted for civilian pay expenses in this program element

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207697F I Distributed Training and Exercises				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		3.964	4.399	0.000	0.000	0.000
Current President's Budget		3.826	4.342	83.659	0.000	83.659
Total Adjustments		-0.138	-0.057	83.659	0.000	83.659
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		-0.138	-0.057	83.659	0.000	83.659
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Develop/ Upgrade Modeling & Simulation (M&S) Tools for Wargaming Information Environment (WIE)				1.725	1.887	38.314
Description: Develop air, space and cyber space wargaming specific functionality in existing modeling and simulation and analysis tools and integrate into the latest version of the WIE						
FY 2026 Plans: Continue to develop and execute the Title 10 Wargames						
There are no OCO funds in this PE.						
FY 2027 Plans: Continue to develop and execute the Title 10 Wargames						
FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to inflation.						
Title: Joint Concept Development & Experimentation (JCD&E) Tools				2.101	2.455	45.345
Description: Develop scenarios and data for future synthetic environment that are grounded in truth to support several wargames and mini-wargames.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207697F <i>I Distributed Training and Exercises</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
FY 2026 Plans: Continue to develop and execute the Title 10 Wargames FY 2027 Plans: Continue to develop and execute the Title 10 Wargames FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase is for INDOPACOM Exercise requirement				
Accomplishments/Planned Programs Subtotals		3.826	4.342	83.659
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy In order to achieve an innovative strategy, avoid operational and technical surprise and make best use of limited resources, wargaming requires an evolutionary acquisition approach for every wargame. Contract support is required as wargame and IT specialized expertise resides with industry and is not available organically. The requirements constantly evolve and a challenge to be accurately defined at the outset of the contract; however, we will continue to pursue a firm fixed price (FFP) contract awarded under a full and open competition.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207697F / Distributed Training and Exercises						Project (Number/Name) 675190 / JFCOM Wargaming			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FA7014-24F-0366	Various	AFDW : JBA, MD	-	3.826	Apr 2025	4.342	Sep 2026	83.659	Sep 2027	-		83.659	0.000	91.827	22.084
Subtotal			-	3.826		4.342		83.659		-		83.659	0.000	91.827	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.826		4.342		83.659		-		83.659	0.000	91.827	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207697F / Distributed Training and Exercises					675190 / JFCOM Wargaming			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Wargaming Information Environment																												
Develop and Integrate M&S Tools																												
Enhance ViewPoint																												
Improve GamePoint																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207697F / Distributed Training and Exercises	Project (Number/Name) 675190 / JFCOM Wargaming

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Wargaming Information Environment</i>				
Develop and Integrate M&S Tools	1	2026	4	2030
Enhance ViewPoint	1	2026	4	2030
Improve GamePoint	1	2026	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207701F I Full Combat Mission Training							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.808	7.985	6.644	0.000	6.644	6.856	6.971	7.089	7.232	Continuing	Continuing
672888: Distributed Mission Operations Center (DMOC)	0.000	3.808	7.985	6.644	0.000	6.644	6.856	6.971	7.089	7.232	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Distributed Mission Operations Center (DMOC) provides comprehensive Live, Virtual, and Constructive (LVC) simulation capabilities which prepare warfighters to conduct Joint All-Domain Command & Control (JADC2) operations in air, land, sea, space, and cyber domains for Air Force (AF), joint service, and coalition partners' theater-level, full spectrum combat training. The DMOC training capabilities reach over 40 geographically separated LVC locations representing real-world weapon systems, operator-in-the-loop, and constructive/computer-driven simulations. DMOC is responsible for development and integration of scenarios, models, and databases of participating sites into Virtual Flag (VF) and other Distributed Mission Operations (DMO) training events via network connectivity, interoperability tools, and controlled interfaces in support of Air Force, joint, and coalition warfighter readiness. In addition, activities include DMO technology and capability studies/analyses which support both current and future program planning and execution by:

DISTRIBUTED MISSION OPERATIONS CAPABILITY/BATTLESPACE SYSTEMS DEVELOPMENT: The DMOC develops, upgrades and enhances capabilities of various systems, tools, and simulators incorporating emerging technology and training requirements into DMO events, such as Bamboo Eagle, VF and VF: Coalition (VF:C), enhancing the quality of warfighter training. Activities include Environment Generator development, DMO Tool Development, and Simulator Enhancement. DMOC partners with the US Naval Air Warfare Center-Aircraft Division (NAWCAD) to enhance Next Generation Threat System (NGTS) capabilities. The NGTS is the primary environment generator for both Blue and Red Air in DMOC White Force. DMO Tool development includes: a) DMOC Replay Tool (DRT), which facilitates a more complete exercise mission review and debrief capability as more sites and systems are added to events; b) enhancement & improvement of the Distributed Interactive Simulation (DIS) Filter and the Doctor-J (Dr. J) tools to enable tactical datalinks communication and translation between disparate simulator and operationally fielded (i.e. live aircraft) communication formats; c) Development of Intelligence, Surveillance, and Reconnaissance (ISR)/Battle Damage Assessment (BDA) to improve damage state models used by intelligence analysts in exercises; d) development of solutions for integrating Contested Degraded Operations Gateway (CDOG, geographical and communications jamming) into DMO events; e) and simulator enhancement efforts to incorporate Mission Package standards upgrades into the Control and Reporting Center (CRC) Simulation Package (CSP), allowing a real-world system to be used as a simulator when needed in DMO events.

ASSESSMENT & AUTHORIZATION (A&A)/SOFTWARE CERTIFICATION: The DMOC supports cybersecurity requirements definition, integration/test support, analysis, systems engineering support, A&A of core systems, and support software certification. The DMOC implements cybersecurity requirements and complies with the application of the Risk Management Framework (RMF) and Continuous Monitoring. Efforts include Cross-Domain Information Sharing / Multi-national Information Sharing (CDIS/MNIS) ruleset development, load sharing, and testing; integration and testing of various newly developed / updated systems such as the DMOC Replay Tool, Dr. J, DIS Filter, and the DMOC Battlespace; support of Air Force Network Integration Center (AFNIC) software certification.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207701F I Full Combat Mission Training				
DISTRIBUTED TRAINING SITES & SYSTEMS INTEGRATION: The Distributed Mission Operations Center (DMOC) integrates over 40 geographically separated Live, Virtual, and Constructive (LVC) training locations and 50+ systems into LVC Distributed Mission Operations (DMO) training events such as Virtual Flag (VF) and VF: Coalition (VF:C) by resolving interoperability issues between disparate systems and networks so that all exercise participants can interact in the DMO environment. New sites and systems are incorporated into LVC DMO events each year based on higher headquarters and Combatant Commander's (CCDRs) emerging requirements.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		3.948	8.096	0.000	0.000	0.000
Current President's Budget		3.808	7.985	6.644	0.000	6.644
Total Adjustments		-0.140	-0.111	6.644	0.000	6.644
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.140	-0.111			
• Other Adjustments		0.000	0.000	6.644	0.000	6.644
Change Summary Explanation						
FY2025 -.140 million reduction for SBIR.						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Distributed Mission Operations (DMO) Capability / Battlespace Systems Development				3.112	6.580	5.475
Description: Simulation software/hardware development in support of users conducting Research, Development, Test & Evaluation (RDT&E), mission rehearsal, and concepts of operation development.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207701F / <i>Full Combat Mission Training</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
<i>FY 2026 Plans:</i> Continue Distributed Mission Operations Center (DMOC) / Naval Air Warfare Center-Aircraft Division (NAWCAD) partnership, enhancing Next Generation Threat System (NGTS) source code to implement future Air Force Distributed Mission Operations (DMO) requirements, develop/install future versions of DMOC customized NGTS, and focus on increasing NAWCAD partnership/requirements development to better meet Air Force (AF) DMO needs. Research and test emerging Modeling & Simulation (M&S) technologies for possible integration into DMO training and explore/transition to cloud-based software development.				
<i>FY 2027 Plans:</i> Continue DMOC/NAWCAD partnership, enhancing NGTS source code to implement future Air Force DMO requirements, develop/install future versions of DMOC customized NGTS, and focus on increasing NAWCAD partnership/requirements development to better meet AF DMO needs. Redesign and redevelop DMOC Special Access Program (SAP) facility and main Battlespace capabilities to support Joint Simulation Environment (JSE) Global Reusable Interface Domain (GRID) technologies/capabilities in support of Chairman, Joint Chief of Staff (CJCS) events. Research and integrate Joint Staff/J7 Joint LVC (JLVC) modernization technologies and capabilities. Research and test emerging M&S, Virtualization/Cloud, Cybersecurity/Zero Trust, and other emerging technologies (to include Artificial Intelligence (AI) / Machine Learning (ML) & Virtual Reality (VR) / Augmented Reality (AR) / Mixed Reality (MR)) for possible integration into DMO training and explore/transition to cloud-based software development.				
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding decreased due to an anticipated reduction in software development.				
<i>Title:</i> Assessment and Authorization (A&A)/Software (A&AS) Certification <i>Description:</i> Support requirements definition, integration test support, scenario development, analysis, systems engineering support, Certification and Accreditation (C&A) and Networthiness of core systems. Implement requirements of Cybersecurity, Risk Management Framework, and Continuous Monitoring.		0.380	0.731	0.608
<i>FY 2026 Plans:</i> Continue to perform testing for the following Assessment and Authorization activities: Authority to Operate (ATO) from HAF/A3 for Battlespace; ATO for DMOC SAP facility with accompanying System Security Plan (SSP) modifications to support event-driven needs; DMOC software assessments for the Air Force Network Integration Center (AFNIC) Evaluated/Approved Products List (E/APL) process; Support Virtual Flag: Coalition (VF:C) and RED KITE (United Kingdom exercise) with Cross-Domain Information Sharing (CDIS) rule set development, testing, and implementation; A&A support for virtualization efforts; and Develop Cross Domain Solution into Live, Virtual, and Constructive (LVC) training.				
<i>FY 2027 Plans:</i>				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207701F / <i>Full Combat Mission Training</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continue to perform testing for the following Assessment and Authorization activities: Authority to Operate (ATO) from HAF/A3 for Battlespace; ATO for the Distributed Mission Operations Center (DMOC) Special Access Program (SAP) facility with accompanying System Security Plan (SSP) modifications to support event-driven needs; DMOC software assessments for the Air Force Network Integration Center (AFNIC) Evaluated/Approved Products List (E/APL) process. Support VF: Coalition (VF:C) and Coalition Virtual Guardian (CVG) / Coalition Virtual Strike (CVS) with Cross-Domain Information Sharing (CDIS) rule set development, testing, and implementation; Assessment and Authorization (A&A) support for virtualization efforts; and develop Cross Domain Solution into LVC training.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to an anticipated minor reduction in testing.				
Title: Distributed Training Sites and Systems Integration Description: Establish distributed training site system integration and interoperability between the Distributed Mission Operations Center (DMOC), operational units, and modeling & simulation facilities.		0.316	0.674	0.561
FY 2026 Plans: Continue to develop Live, Virtual, and Constructive (LVC) concepts in support of VIRTUAL FLAG (VF) / VF: Coalition (VF:C) integration efforts. Support emerging higher headquarters/ Combatant Commander's (CCDR) requirements. Develop Virtual-into-Live integration and testing with Nevada Test and Training Range (NTTR) / Virtual Test and Training Center (VTTC) / Red-Flag (RF). Expand Special Access Program (SAP) support capabilities to Chairman, Joint Chief of Staff (CJCS) events. Expand distributed operations to increase the number of small-scale, joint/coalition events.				
FY 2027 Plans: Continue to develop LVC concepts in support of VF/VF:C integration efforts. Support emerging higher headquarters/ CCDR requirements. Develop Virtual-into-Live integration and testing with NTTR / VTTC / RF. Expand SAP support capabilities to CJCS events. Expand distributed operations to increase the number of small-scale, joint/coalition events.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to an anticipated minor reduction of concept development efforts.				
Accomplishments/Planned Programs Subtotals		3.808	7.985	6.644

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207701F I Full Combat Mission Training						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 05 0207701F: Full Combat Mission Training	7.636	10.276	6.501	-	6.501	6.725	6.852	6.983	7.124	Continuing	Continuing
Remarks											
Funding previously existed in PE 0207605F.											
E. Acquisition Strategy											
The Distributed Mission Operations Center (DMOC) supports Air Force (AF) /Joint/Coalition Distributed Mission Operations (DMO) and the Joint National Training Capability (JNTC) through the development and integration of DMO training and test events, networks, scenarios, and databases. Due to evolving modeling & simulation technology, the DMOC is an on-going, evolutionary effort to keep pace with those changes by continuously developing/upgrading DMO environment generators, systems, and tools and ensuring integration/interoperability of new systems into DMO to provide the best warfighter training possible.											
DMOC currently has the following two primary contracts that manage the acquisition, development, testing, and integration of DMO standards, training, modeling and simulation, cross-domain information sharing testbed, and exercises on AF/Joint/Coalition DMO networks:											
Infrastructure, Development, and Engineering (IDE) Contract: Develops/upgrades various DMOC tools, systems, and simulators that are needed to conduct DMO training events. Develops, implements, and tests technical solutions for the integration of sites/systems into VIRTUAL FLAG (VF) / VF: Coalition (VF:C), and other DMO events. IDE is a firm-fixed-price contract.											
Command and Control Technical Support Contract (C2TSC): Supports government by assisting with development of technical requirements for upgrades to various systems and tools that will be developed by the IDE contractor and then performs acceptance testing of the delivered products. Develops requirements for site/system integration of sites/systems into VF, VF:C, and other DMO events. In FY27, labor will be added to this contract that will support the government by assisting with long range Futures/Advanced/Strategic technologies research and development requiring advanced scientific/ technical expertise and long/complex developmental time lines to develop systems and tools that will be integrated into the DMOC. C2TSC is a firm-fixed-price contract.											
Additionally, Military Interdepartmental Purchase Requests (MIPRs) are sent to other external organizations, such as the Naval Air Warfare Center-Aircraft Division (NAWCAD) and the Air Force Research Laboratory (AFRL) to fund development of DMO tools that support DMOC efforts.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207701F / Full Combat Mission Training						Project (Number/Name) 672888 / Distributed Mission Operations Center (DMOC)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Infrastructure, Development, and Engineering (IDE) Contract	C/FFP	Northrop Grumman Sys Corp : Kirtland AFB, NM	-	1.439	Nov 2024	3.360	Nov 2025	3.476	Nov 2026	0.000		3.476	Continuing	Continuing	17.430
Other Minor Contracts / MIPRs for Software / Licenses / Hardware / Contract Labor to Support Product Development	Various	Various : Kirtland AFB, NM	-	1.556	Oct 2024	3.601	Oct 2025	1.720	Oct 2026	0.000		1.720	Continuing	Continuing	-
Subtotal			-	2.995		6.961		5.196		0.000		5.196	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Command and Control Technical Support Contract (C2TSC)	C/FFP	RiverTech, LLC : Kirtland AFB, NM	-	0.644	Nov 2024	0.784	Nov 2025	1.212	Nov 2026	0.000		1.212	Continuing	Continuing	4.253
Subtotal			-	0.644		0.784		1.212		0.000		1.212	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DMOC Program Management Office Support	Various	705 CTS: Kirtland AFB, NM : TBD	-	0.169	Oct 2024	0.240	Oct 2025	0.236	Oct 2026	0.000		0.236	Continuing	Continuing	-
Subtotal			-	0.169		0.240		0.236		0.000		0.236	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.808		7.985		6.644		0.000		6.644	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force							Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207701F / Full Combat Mission Training			Project (Number/Name) 672888 / Distributed Mission Operations Center (DMOC)			
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207701F / Full Combat Mission Training				Project (Number/Name) 672888 / Distributed Mission Operations Center (DMOC)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Distributed Mission Operations (DMO)																												
DMO Capability/ Battlespace Systems Development																												
DMO Events																												
VIRTUAL FLAG (VF) / VF: Coalition / BAMBOO EAGLE / Other Exercises																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207701F / Full Combat Mission Training	Project (Number/Name) 672888 / Distributed Mission Operations Center (DMOC)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Distributed Mission Operations (DMO)				
DMO Capability/ Battlespace Systems Development	1	2025	4	2031
DMO Events				
VIRTUAL FLAG (VF) / VF: Coalition / BAMBOO EAGLE / Other Exercises	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0208006F I Mission Planning Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	78.113	123.103	122.175	0.000	122.175	123.093	118.969	115.975	113.648	Continuing	Continuing
675302: Precision Aerial Delivery Systems (PADS)	0.000	2.056	2.099	0.864	0.000	0.864	0.894	0.912	0.929	0.948	Continuing	Continuing
675380: Mission Planning Systems (MPS) Modernization	0.000	76.057	121.004	121.311	0.000	121.311	122.199	118.057	115.046	112.700	Continuing	Continuing
Program MDAP/MAIS Code: 509												
A. Mission Description and Budget Item Justification												
Budget line 0208006F funds the Precision Aerial Delivery Systems (PADS), Mission Planning Systems (MPS), and Theater Air Planning System of Systems (TAP-SOS) modernization efforts and is used to develop automated mission planning systems to support U.S. Air Force (USAF) flying operations.												
Airdrop Mission Planning/Joint Precision Airdrop System (PADS) consists of hardware and software that serve as the primary mission planning system for all airdrop operations, enabling high-altitude logistical resupply and payload delivery. PADS enhances operational efficiency, survivability, and lethality by enabling the safe and effective delivery of critical supplies and equipment to forces in the field, including from altitudes beyond the range of certain surface-to-air threats. PADS efforts are focused on hardware and software enhancements supporting airdrop delivery of cargo and resources while enabling Command and Control (C2) of aircrews and payloads during mission execution. These software upgrades will increase the survivability and lethality of our mobility forces.												
MPS are foundational to effective airpower projection and mission execution. MPS aircraft mission planning software integrates the latest tasking orders, mission profile, order of battle, routes, weight and balance, formation, payload, cargo, intelligence, weather, aircraft performance, autonomous air vehicle and weapon flight out models, and threat data into flight systems and associated Battle Management systems and networks. This integrated operating picture is used pre-flight to prepare the crew and aircraft for each mission; in-flight to receive and respond to C2 direction, enhance survivability, and react to mission changes; and post-flight for aircrew, intelligence, and maintenance debriefing. MPS Joint Mission Planning System (JMPS), utilized by USAF and the U.S. Navy (USN), focuses solely on pre-mission planning operations. Modernization efforts, including JMPS Open Mission System (JOMS), focus on connected and disconnected planning and execution for all phases of mission planning (pre-mission, in-flight, and post-mission planning). Software development is essential for real-time mission data Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, Reconnaissance, Position, Navigation, and Timing (C5ISRC-PNT) updates and collaboration with mission partners as well as dynamic mission replanning for evolving conditions and sharing post-mission data to inform follow on operations.												
Additionally, MPS is lead on Theater Air Planning System of Systems (TAP-SoS) efforts to enable mission planning modernization integration and real-time data sharing with multiple C5ISRC-PNT systems, including but not limited to Advanced Battle Management System (ABMS), Air Operations Centers, and Mobility Air Force C2 (MAFC2) across the Department of the Air Force (DAF) BATTLE NETWORK (DBN).												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0208006F I Mission Planning Systems				
Efforts within this program align with and depend upon USAF investment in Mission Planning Systems (PE 0208006F), Air Operations Center (0207410F), All Domain Common Platform (0303248F), Command and Control Incident Management Emergency Response Application (C2IMERA) (0305836F), Flight Operations (0207461F), and Advanced Battle Management System (ABMS) (0604003F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities required for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F or 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
Common services will be built upon in FY27 for future platform releases.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		80.709	138.745	0.000	0.000	0.000
Current President's Budget		78.113	123.103	122.175	0.000	122.175
Total Adjustments		-2.596	-15.642	122.175	0.000	122.175
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-14.127			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-2.596	-1.515			
• Other Adjustments		0.000	0.000	122.175	0.000	122.175

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0208006F I Mission Planning Systems	
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems				Project (Number/Name) 675302 / Precision Aerial Delivery Systems (PADS)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675302: Precision Aerial Delivery Systems (PADS)	0.000	2.056	2.099	0.864	0.000	0.864	0.894	0.912	0.929	0.948	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Budget line 0208006F funds Airdrop Mission Planning/Joint Precision Airdrop System (PADS).

Airdrop Mission Planning/PADS consists of hardware and software that serve as the primary mission planning system for all airdrop missions, enabling high-altitude logistical resupply and the delivery of diverse payloads. These payloads include kinetic effects, such as guided missiles capable of navigating to designated coordinates, and non-kinetic effects like sensors, communication nodes, and jammers, which rely on gravity for launch. PADS is utilized by mobility aircraft, primarily the C-17 and C-130 platforms, for high and low-altitude airdrops.

The Consolidated Airdrop Tool (CAT) and other mobile airdrop mission planning applications are key software for airdrop operations. New software tools include automating and enhancing airdrop mission segment planning with multi-stage airdrop, task saturation mitigation, and delivering palletized effects using Heavy Equipment Loading and Extraction airdrop techniques. These initiatives utilize real-time data and acquisition of payload and delivery hardware systems (e.g. various delivery vehicles, modern parachute technologies, and various kinetic and non-kinetic effects) for prototyping, testing, evaluation, and demonstrations.

FY2027 Airdrop efforts are focused on developing software/hardware capabilities for airdrop missions to include but not limited to: 1) high-altitude, precise, and stand-off airdrop while mitigating surface-to-air threats; 2) improved single-pass airdrop capability to enhance survivability; 3) command and control of aerial delivery systems and palletized effects; 4) supporting contested logistics aerial delivery (airdrop) in hostile or denied areas; and 5) develop, test, demonstrate and field secondary air drop capabilities. These software modernization efforts integrate mobility forces in the Joint Long-Range Kill Chain while increasing aircraft and crew lethality and survivability.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Funds used for the development, integration, demonstration and test activities of the PADS Program.	2.056	2.099	0.864
Description: Funds used for the development, integration, and test activities of the PADS program			
FY 2026 Plans: Activities supported with FY2026 funding included, but were not limited to the following: - Continued development and fielding of Consolidated Airdrop Tool (CAT) and Airdrop Mobile Mission Planning applications - Enhanced formation airdrop capability - Integrated palletized effects with aerial delivery systems for long range autonomous C2			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675302 / <i>Precision Aerial Delivery Systems (PADS)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Continued development of dynamic mission planning capability to support integration with the Department of the Air Force (DAF) BATTLE NETWORK (DBN) - Integrated single-pass airdrop capability with multi-stage payload delivery developments - Continued support of high-altitude, precise aerial delivery logistics solutions while mitigating threats in contested AORs - Continued flight testing of airdrop mission planning software, hardware, and palletized systems - Implemented ability to ingest and process real-time mission planning data, supporting development of capabilities for aircraft and aircrew survivability and lethality - Automated and enhanced airdrop planning, mitigate task saturation, enabled dynamic and mobile airdrop solutions, and supported delivery of palletized effects - Developed single-pass airdrop capability to enhance survivability FY 2027 Plans: -Activities supported with FY2027 funding include, but are not limited to the following: - Advance development and fielding of airdrop software solutions and Airdrop Mobile Mission Planning applications - Enhance formation airdrop capability - Integrate palletized effects with aerial delivery systems for long range autonomous C2 - Continue development of dynamic mission planning capability to support integration with the Department of the Air Force (DAF) BATTLE NETWORK (DBN) - Integrate single-pass airdrop capability with multi-stage payload delivery developments - Continue support of high-altitude, precise aerial delivery logistics solutions while mitigating threats in contested AORs - Continue flight testing of airdrop mission planning software, hardware, and palletized systems - Implement ability to ingest and process real-time mission planning data, supporting development of capabilities for aircraft and aircrew survivability and lethality - Automate and enhance airdrop planning, mitigate task saturation, enable dynamic and mobile airdrop solutions, and support delivery of palletized effects - Develop single-pass airdrop capability to enhance survivability. FY 2026 to FY 2027 Increase/Decrease Statement: The FY2026 to FY2027 reduction due to end of service life for PADS.			
Accomplishments/Planned Programs Subtotals		2.056	2.099
			0.864

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems	Project (Number/Name) 675302 / Precision Aerial Delivery Systems (PADS)	

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 833170: Mission Planning Systems	18.474	18.722	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Joint Precision Airdrop System (PADS) program acquisition strategy and development approach focuses on agile software development, continuous integration, continuous delivery of capability, and constant stakeholder feedback. PADS employs best practice commercial technical approaches, including open, modular architecture to maximize extensibility and reuse while increasing speed to the field. PADS utilizes a variety of contracting approaches. These include, but are not limited to, competitively awarded Task Orders utilizing strategic sourcing vehicles such as Government-Wide Acquisition Contracts and Federal Supply Schedules that offer access to a large pool of vendors.

For the efforts listed above, the Program Executive Officer Command, Control, Communications, and Battle Management (C3BM) at Hanscom AFB, MA provides the program management, contracts, legal, and financial management support.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems				Project (Number/Name) 675302 / Precision Aerial Delivery Systems (PADS)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	C/T&M	Various : Various	0.000	1.456	Nov 2024	1.481	Nov 2025	0.113	Nov 2026	-		0.113	Continuing	Continuing	-
Systems Engineering and Integration	C/T&M	Leidos, Inc. : Reston, VA	0.000	0.377	Jan 2025	0.388	Jan 2026	0.400	Jan 2027	-		0.400	Continuing	Continuing	-
Subtotal			0.000	1.833		1.869		0.513		-		0.513	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cost Estimating	C/T&M	Quantech Services : Lexington, MA	0.000	0.025	Nov 2024	0.026	Nov 2025	0.027	Nov 2026	-		0.027	Continuing	Continuing	-
Subtotal			0.000	0.025		0.026		0.027		-		0.027	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Responsible Test Organization (RTO)	PO	96CTG : Eglin AFB, FL	0.000	0.178	Dec 2024	0.184	Dec 2025	0.304	Dec 2026	-		0.304	Continuing	Continuing	-
Operational Testing	PO	28TH TEST AND EVAL : Eglin AFB, FL	0.000	0.020	Apr 2025	0.020	Apr 2026	0.020	Apr 2027	-		0.020	Continuing	Continuing	-
Subtotal			0.000	0.198		0.204		0.324		-		0.324	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	2.056		2.099		0.864		-		0.864	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems					Project (Number/Name) 675302 / Precision Aerial Delivery Systems (PADS)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Precision Aerial Delivery Systems (PADS)																												
PADS-MP: Development/field Consolidated Air Drop Tool (CAT) version 6.7																												
PADS-MP: Double Down/Special Payloads																												
PADS-MP: Dynamic Airdrop Mission Planning																												
PADS-MP: Palletized Effects																												
PADS-MP: Program Increment quarterly cadence releases																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems	Project (Number/Name) 675302 / Precision Aerial Delivery Systems (PADS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Precision Aerial Delivery Systems (PADS)				
PADS-MP: Development/field Consolidated Air Drop Tool (CAT) version 6.7	1	2025	4	2027
PADS-MP: Double Down/Special Payloads	1	2025	4	2027
PADS-MP: Dynamic Airdrop Mission Planning	1	2025	4	2027
PADS-MP: Palletized Effects	1	2025	4	2027
PADS-MP: Program Increment quarterly cadence releases	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems				Project (Number/Name) 675380 / Mission Planning Systems (MPS) Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675380: Mission Planning Systems (MPS) Modernization	0.000	76.057	121.004	121.311	0.000	121.311	122.199	118.057	115.046	112.700	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification.

The Mission Planning System (MPS) Modernization program develops software for aircraft mission planning and integrates the latest intelligence, weather, aircraft performance, and threat data into flight management systems enabling flight operations for Combat Air Forces (CAF), Mobility Air Forces (MAF), Special Missions Air Combat Command (SMACC) aircraft, Collaborative Combat Aircraft (CCA), and training aircraft. The MPS and the Mission Planning Process is the only way aircrews can configure the holistic platform System of Systems for any fixed or rotary wing aircraft sortie, merging weapons, crypto, sensors, communications systems and avionics. The warfighter must be able to: 1) leverage mission data feedback to formulate plans with current data; 2) optimize and de-conflict flight routes with other aircraft; 3) review, print, and brief the plan; 4) download flight information to onboard aircraft avionics; 5) conduct dynamic/in-flight replanning, including collaboration and data sharing with mission partners and the Command and Control (C2) chain; and 6) quickly and seamlessly share post-mission data to inform planning for subsequent missions. Main efforts include JMPS Open Mission System (JOMS), and Joint Mission Planning System (JMPS). Theater Air Planning System of Systems (TAP-SoS) .

Mission Planning Modernization is a Software Acquisition Pathway (SWP) program with a focus on collaborative cloud development for rapid fielding and real-time software updates ensuring the warfighter retains the ability to execute the operational mission in the event they are disconnected from cloud resources, for all phases of mission planning (pre-mission, in-flight, and post-mission planning). Software development is essential for real-time mission data Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, Reconnaissance, Position, Navigation, and Timing (C5ISRC-PNT) updates and collaboration with mission partners as well as dynamic mission replanning for evolving conditions and sharing post-mission data to inform follow on operations. Tools include Weapons Planning Software, Electronic Warfare (EW), Global Positioning System (GPS), crypto including GPS M-Code and weather. MPS Modernization utilizes multiple Continuous Integration and Continuous Delivery (CI/CD) pipelines to create modernized mission planning software services, improve user interfaces, and develop the underlying software architecture common to all aircraft (e.g., rapid computing of flight routes based on specific aircraft flying characteristics, weather, flight safety, airport destination, etc.).

JMPS is the legacy software and hardware configuration utilized by U.S. Air Force (USAF) and U.S. Navy (USN) aircraft that focuses on pre-mission planning operations, connected and disconnected planning, and execution for all phases of mission planning operations. Development includes preparation of multiple aircraft Operational Flight Program (OFP) components for transition to JOMS architecture.

TAP-SoS enables integration and real-time data sharing with multiple C2 systems, including but not limited to Advanced Battle Management System (ABMS), Air Operations Centers, and Mobility Air Force C2 (MAFC2). Activities also include studies and analysis to support both current program planning and execution as well as future program planning. TAP-SoS continues and extends modernization by enabling seamless integration with the Department of the Air Force (DAF) BATTLE NETWORK (DBN). Deliberate integration activities with DAF Battle Network (DAF-BN) enabled BLOS kits to enable interoperability with data feeds. Software

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>
development and deployment to enable Dynamic Weapon Replanning and distribution of mission plans and data to the DAF-BN. Continual developmental testing in simulated environments as well as Hardware in the Loop integration supporting platforms such as KC-135, F-15, B-1, B-52, and F-16. Software Development for Mission Planning Modernization efforts include Common Component and Platform Specific capabilities such as: 1) Combat Air Forces - Global Strike (CAF-GS) MPS: Software applications for pre-flight, dynamic/in-flight replanning, and post-flight analysis to optimize the tactical kill chain. Includes new and modernized mission planning capabilities in collaboration with the USN Mission Planning Program Office and the F-35 Joint Program Office (JPO). Software development to support platform OFP requirements, such as new weapons, avionics upgrades, communications systems, etc. OFPs requiring updates include, but are not limited to: F-15, F-16, F-22, B-1, B-2 and, B-52. Using an Agile Software Cadence, development teams deliver improved capabilities to support each aircraft platform OFP, including early deliveries for risk reduction testing. Upgrades for weapons planning capabilities include but are not limited to Small Diameter Bomb (SDB-II), Joint Direct Attack Munitions (JDAM), Joint Air-to-Surface Standoff Missile (JASSM), Hypersonic Attack Cruise Missile (HACM). Additionally, upgrades require associated interfaces between aircraft platforms and weapons such as Universal Armament Interface (UAI) and Mission Planning Certification Tool (MPCT). Furthermore, modernization efforts will address requirements to common capabilities and tools such as Weapons Planning Software (WPS), Electronic Warfare (EW) for the entire enterprise, GPS crypto (including GPS M-code), and weather. CAF-GS Mission Planning Systems will integrate system specific mission planning elements into the overarching TAP-SoS dynamic mission replanning operational architecture. Platform-specific efforts include, but are not limited to the following: a. F-15 MPS: Includes key initiatives on improving/adapting software architecture to improve lethality, survivability, readiness, affordability, and performance. Continued delivery of software updates to address platform OFP requirements which updates on an annual release to the field to provide new capabilities to the warfighter. The F-15 Unique Planning Component (UPC) will transition from JMPS to microservices which is required to migrate to the open standard interfaces of JOMS. Updates also include new features for weapons Software enhancements include Synthetic Aperture Radar Planning Tools (SAR-PT), global area reference tools, radar modernization updates (e.g., combat identification, radar planning tool enhancements), active warning survivability systems, Advanced Dual Core Process II (ADCP- II) computer as well as Digital Transfer Device/Modules (DTD/DTM) modernized in support of operational capabilities to the F-15 OFP. The overall end state is a common OFP and one Mission Partner Environment (MPE) baseline that supports all F-15 models (C, D, E, & EX). Additionally, modernization efforts also includes pathfinder/exploratory efforts to provide preflight and dynamic mission planning and reduction of the logistics footprint. b. B-1 MPS: Includes multiple software development efforts driven by OFP updates for platform block upgrades. Efforts will incrementally deliver the B-1 MPE to improve survivability, lethality, and readiness; increase mission capabilities with weapon updates. Additionally, efforts will improve processing capability 64/128-bit environment, replace the mass storage unit where pre-recorded map and mission data is stored, and develop microservices to integrate JOMS into the B-1 MPE. 2) Global Mobility and Special Missions (GM-SM) MPS: Provide new and improved MAF-SMACC mission planning capability to support Agile Combat Employment (ACE) software applications for pre-flight, dynamic/in-flight replanning, and post-flight analysis; provide software applications to support operational engagement to		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>
optimize the tactical kill chain; and support individual OFP requirements, such as avionics upgrades, communications systems, etc. Common operational GM-SM baselines 1) enable agile software deliverables; 2) minimize platform schedule constraints; and 3) reduce platform dependencies within the OFP. GM-SM will integrate system specific mission planning elements into the overarching TAP-SoS dynamic mission replanning operational architecture. a. Global Mobility MPS: Includes new and modernized mission planning capability to support mobility aircraft including, but not limited to, C-17, C-130H, C-130J, C-5, KC-135, KC-10, and KC-46. Efforts also include, but are not limited to, integration of global C2 and Air Mobility Command (AMC) fuel efficiency requirements incorporating MAF Automated Flight Planning Service into the deployed squadron mission planning suite, enhancing capabilities to accommodate avionics upgrades, integration with precision airdrop tools for increased accuracy and survivability, interfaces with C2 systems, improved weather data ingestion/utilization, and integration with other common services such as assault zone and air refueling tools. b. Special Mission MPS: Includes new and modernized mission planning capability to support SMACC platforms including but not limited to E-7, RC-135, EA-37, and EC-130, Combat Search and Rescue (CSAR) platforms (i.e. HC-130J and HH-60G/W). Efforts will replace JMPS with JOMS for initial SMACC platforms. Capability enhancements include, but are not limited to, improving performance stability by more efficient transfer of mission data from the MPE to the OFP and integration onto the smart multifunction color display for the HH-60G/W. 3) MPS Modernization: Includes new and modernized mission planning software services, user interfaces, and underlying software architecture that are common to all aircraft (e.g., rapid computing of flight routes based on specific aircraft flying characteristics, weather, flight safety, airport destination, etc.). These common services support software and data updating services to automatically synchronize connected assets, the common continuous integration/continuous delivery (CI/CD) infrastructure and software integration processes; and enable USAF aircraft worldwide operations in connected and disconnected environments. 4) Theater Air Planning System of Systems (TAP-SoS): Includes new and modernized software for operational C2 for rapid and calculated Course of Action development for dynamic mission replanning, enabling effective battlespace management and ensuring aircrew lethality and survivability. Software will integrate C2 operations to tactical mission planning systems across all platforms, automatically synchronize connected assets, and optimize battlespace awareness at an operational level. Along with MPS Software, efforts will integrate with Advanced Battle Management System (ABMS), Air Operations Centers, and Mobility Air Force C2 (MAFC2) across the Department of the Air Force (OAF) BATTLE NETWORK (DBN). 5) Test, Training, and Certification: Continues all MPS-related integration, test, and certification activities for all platforms. 6)Program Support: Continues all program office management operations and support activities to ensure the timely development, testing, and delivery of mission planning systems to the warfighter.		
B. Accomplishments/Planned Programs (\$ in Millions)		
Title: Mission Planning (MP) Modernization		
Description: MP Modernization is a software development program that will modernize the legacy Joint Mission Planning Systems (JMPS). This effort will move the stand-alone software to a cloud-based environment, enabling global real time		
	FY 2025	FY 2026
	74.625	118.139
		118.787

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>		Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
collaboration on mission planning, and adding the capability for dynamic inflight mission replanning. The modern software structure will also allow for a tailored mission planning service for a lighter, faster design that will shorten the mission planning timeline from days to hours. MP Modernization is focused on continued support of RC-135 operational released software, continue development of F-15 and B-1 software, and continue planning activities for remaining prioritized aircraft such as but not limited to B-52, F-22, HH-60W, B-2, KC-135 and C-17. FY 2026 Plans: FY 2026 Plans: F-15 Modernization: - Continue software release transitioning the JMPS MPE/Unique Planning Component (UPC) to JOMS upon completion of the JMPS software re-architecture to microservices - Define and deliver F-15 JOMS MPE+Dynamic Mission Planning (DMP) Minimum Viable Product (MVP) and prep for MVCR B-1 Modernization: - Develop and field JMPS MPE improvements that increase B-1 lethality, survivability, and readiness in a contested environment, such as, but not limited to crypto key enhancements and weapons integration. , and hypersonics). - Define and deliver B-1 JOMS MPE+DMP MVP and prep for MVCR Global Mobility Modernization: - Develop and field MPE releases to further improve Agile Global Mobility (AGM) products, based on AMC priorities - Develop modernized air refueling mission planning capabilities for KC-46 - Deliver dynamic/in-flight replanning capabilities to support AMC initiatives Special Mission Modernization: - Deliver first operational JOMS capability: RC-135 MVCR - Continue refinement of C-130J Blk 8.1 mission planning capability to support ACC modernization of the HC-130J fleet - Continue refinement of HH-60W planning capabilities based on the FY2026 sunseting of the HH-60G MPS Core Mission Planning (CMP): - Extend JOMS to develop and deliver additional core mission planning capabilities required for additional SMACC aircraft, such as, but not limited to EA-37B, and E-7, including deployments to connected and disconnected operations Theater Air Planning System of Systems (TAP-SoS): - Design and prototype dynamic mission replanning software for operational C2 to optimize decision making and battlespace awareness by integrating MPS, ABMS, Air Operations Centers, and MAFC2 across the DAF BATTLE NETWORK (DBN)					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Enhance data transmission capability between the Unified Data Library (UDL) and aircraft enabling near to real-time updates integrating with the DBN FY 2027 Plans: CAF modernization: - Continue the development of F-15 JOMS capabilities to deliver a modernized mission planning system. This includes the maturation of the Coordination Card, SPINS Card, Attack Card, CID, Form 70, and Target Imagery capabilities to improve lethality and survivability in highly contested environments. - Continue the development of B-1 JOMS capabilities to deliver a modernized mission planning system. This includes maturing key features such as Bullseyes, Killboxes, Airspaces, Weapons Release Sequencing, the Aircraft Configuration Stores Loader, the B-1 Weapons Plan, B-1 Constraints Checks, B-1 Forms, BMOS Integration, and ACAL. - Continue planning development of software for new CAF platforms including but not limited to B-52, F-22, and B-2 GM-SM Modernization: - Continue supporting fielded JOMS ProPlanner for RC-135 and continue to build capabilities for enhanced mission planning - Continuing to e plan development of software for new platforms including but not limited to KC-135, HH-60W and C-17 - Complete evaluation of potential platforms to be implemented on disconnected JOMS ProPlanner and present platforms for approval to begin planning efforts - Continue enhancing the Disconnected JOMS ProPlanner architecture for improved scalability and multi-platform support. MPS Modernization: - Deploy first increment of JOMS to connected (cloud) operational environment with continued development of microservices - Conduct efforts for the delivery of quality code to meet the authorization to operate (ATO) process allowing for limited semi-operational use - Deploy first increment of IL6 Cloud Development environment with continued development of microservices for testing and integration - Configure software deployment baselines for a disconnected environment - Complete testing to identify areas for improved data resources usage" Theater Air Planning System of Systems (TAP-SoS): - Continue design and prototype dynamic mission replanning software for operational C2 beyond a minimum viable product, to optimize decision making and battlespace awareness by integrating MPS, ABMS, Air Operations Centers, and MAFC2 across the DAF BATTLE NETWORK (DBN)			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Enhance data transmission capability between the Unified Data Library (UDL) and aircraft enabling near to real-time updates integrating with the DBN FY 2026 to FY 2027 Increase/Decrease Statement: Minor increase due to inflation.			
Title: Mission Planning Systems Joint Mission Planning System (MPS JMPS) Development Description: JMPS Development provides new and improved mission planning capability via software applications for Agile Combat Employment (ACE) software applications for pre-flight, dynamic/in-flight replanning, and post-flight analysis; provides software for operational engagement to optimize the kill chain; and supports platform Operational Flight Program (OFP) requirements, such as new weapons, avionics upgrades, communications systems, etc. The OFPs requiring Mission Planning Environment (MPE) updates under the JMPS Development effort include, but are not limited to: B-1, F-15, and F-22. Legacy programs were restructured at the end of FY2024. MPS JMPS Development consolidated JMPS efforts for thrust areas F-15 Modernization, F-22 Modernization, and B-1 Modernization. FY 2026 Plans: F-15 JMPS Development: - Complete software release in support of JMPS planning/replanning requirements and OFP release cadence F-22 JMPS Development: - Complete development and field JMPS MPE improvements that increase F-22 lethality, survivability, and readiness in a contested environment, such as OFP requirements for Link 16 and Mode 5 Transmit/Interrogate enhancements B-1 Development: - Complete development and field JMPS MPE improvements that increase B-1 lethality, survivability, and readiness in a contested environment, such as crypto key enhancements and weapons software integration. FY 2027 Plans: "F-15 JMPS Development: - Continue software release in support of JMPS planning/replanning requirements and OFP release cadence B-1 Development: - Develop JMPS MPE improvements that increase B-1 lethality, survivability, and readiness in a contested environment, such as crypto key enhancements and weapons software integration. FY 2026 to FY 2027 Increase/Decrease Statement:		1.432	2.865
			2.524

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>	Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Decrease due to reduction in JMPS requirements.			
Accomplishments/Planned Programs Subtotals	76.057	121.004	121.311

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 833170: <i>Mission Planning Systems</i>	18.474	18.722	19.399	-	19.399	19.825	20.212	20.589	21.000	Continuing	Continuing

Remarks

D. Acquisition Strategy

Consolidated multiple ACAT III programs into Mission Planning Modernization Software Acquisition Pathway(SWP) program of record planning phase FY2025. We moved Core Mission Planning (CMP) software services and architecture, Combat Air Forces (CAF) and Global Strike (GS) mission capabilities, Global Mobility Special Mission (GMSM) capabilities, and Mission Planning System (MPS) Weapons integration are now consolidated under this new program.

The SWAP acquisition strategy approach focuses on agile software development, continuous integration/continuous delivery of capability and constant feedback. MPS employs best practice commercial technical approaches, including open, modular architecture to maximize extensibility and reuse while increasing speed to the field.

MPS utilizes a variety of contracting approaches. These include, but are not limited to, competitively awarded Task Orders utilizing strategic sourcing vehicles such as Government-wide Acquisition Contracts and Federal Supply Schedules that offer access to a large pool of vendors. For the efforts listed above, the Program Acquisition Executive (PAE) Command, Control, Communications and Battle Management (C3BM) at Hanscom AFB, MA provides the program management, contracts, legal, and financial management support.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems				Project (Number/Name) 675380 / Mission Planning Systems (MPS) Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mission Planning Software Development	C/Various	Various : Various	0.000	25.566	Nov 2024	62.553	Nov 2025	63.993	Nov 2026	-		63.993	Continuing	Continuing	-
SMACC CSAR Tools	MIPR	Various : Various	0.000	0.382	Jan 2025	0.000	Jan 2026	0.000	Jan 2027	-		0.000	Continuing	Continuing	-
Systems Engineering and Integration	C/T&M	Leidos, Inc. : Reston, VA	0.000	19.679	Jan 2025	21.004	Jan 2026	21.843	Jan 2027	-		21.843	Continuing	Continuing	-
Core Mission Planning	C/T&M	Northrop Grumman : Herndon, VA	0.000	15.351	Jan 2025	19.448	Jan 2026	18.670	Jan 2027	-		18.670	Continuing	Continuing	-
Common Components	C/Various	Various : Various	0.000	5.715	Nov 2024	7.950	Nov 2025	6.150	Nov 2026	-		6.150	Continuing	Continuing	-
Subtotal			0.000	66.693		110.955		110.656		-		110.656	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cost Estimating	C/T&M	Odyssey Systems : Wakefield, MA	0.000	0.217	Nov 2024	0.231	Nov 2025	0.249	Nov 2026	-		0.249	Continuing	Continuing	-
Subtotal			0.000	0.217		0.231		0.249		-		0.249	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Responsible Test Organization (RTO)	PO	96CTG : Eglin AFB, FL	0.000	5.093	Dec 2024	5.435	Dec 2025	5.568	Dec 2026	-		5.568	Continuing	Continuing	-
Certification and Accreditation	MIPR	JITC : Fort Huachuca, AZ	0.000	0.050	Feb 2025	0.050	Feb 2026	0.050	Feb 2027	-		0.050	Continuing	Continuing	-
Operational Testing	PO	28TH TEST AND EVAL : Eglin AFB, FL	0.000	0.200	Apr 2025	0.200	Apr 2026	0.200	Apr 2027	-		0.200	Continuing	Continuing	-
Type I Training	PO	96CTG : Eglin AFB, FL	0.000	0.450	Jul 2025	1.175	Jul 2026	1.175	Jul 2027	-		1.175	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208006F / <i>Mission Planning Systems</i>				Project (Number/Name) 675380 / <i>Mission Planning Systems (MPS) Modernization</i>					

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Field Representative Hardware	C/Various	Various : Various	0.000	0.425	Nov 2024	0.000	Nov 2025	0.425	Nov 2026	-		0.425	Continuing	Continuing	-
Subtotal			0.000	6.218		6.860		7.418		-		7.418	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Support	RO	MITRE Corp : Bedford, MA	0.000	2.929	Oct 2024	2.958	Oct 2025	2.988	Oct 2026	-		2.988	Continuing	Continuing	-
Subtotal			0.000	2.929		2.958		2.988		-		2.988	Continuing	Continuing	N/A

			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	76.057		121.004		121.311		-		121.311	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems				Project (Number/Name) 675380 / Mission Planning Systems (MPS) Modernization			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Mission Planning Systems (MPS) Modernization																												
F-15 Software Development																												
B-1 Software Development																												
SM: CSAR RC-135 Initial Plan																												
MP Modernization: Continuous Capability Delivery per ACC IS-CDD																												
TAP-SoS Dynamic Mission Replanning MVCR																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208006F / Mission Planning Systems	Project (Number/Name) 675380 / Mission Planning Systems (MPS) Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Mission Planning Systems (MPS) Modernization				
F-15 Software Development	1	2026	4	2029
B-1 Software Development	1	2026	3	2029
SM: CSAR RC-135 Initial Plan	4	2025	2	2026
MP Modernization: Continuous Capability Delivery per ACC IS-CDD	1	2025	4	2031
TAP-SoS Dynamic Mission Replanning MVCR	1	2026	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0208007F I Tactical Deception							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.519	13.523	48.857	0.000	48.857	25.730	12.572	12.613	12.862	Continuing	Continuing
674550: Air Base Resiliency	0.000	0.519	13.523	48.857	0.000	48.857	25.730	12.572	12.613	12.862	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Theater Capabilities efforts were transferred to PE 0208007F in order to consolidate work in this capability field into the same PE.

In FY 2027, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Airbase Kits efforts were transferred to PE 0208007F in order to consolidate work in this capability field into the same PE.

A. Mission Description and Budget Item Justification

Tactical Deception (Tac-D) is a Service program to provide a suite of technologies that will enable the USAF to minimize, distort, or create signatures. This includes technologies to confuse or mislead all major categories of adversary sensors. These capabilities can reduce confidence in adversary assessments, exhaust intelligence enterprises, and disrupt targeting cycles. In addition, these technologies and tactics techniques and procedures (TTPs) can be employed across the competition continuum for deterrence or advantage in conflict. Tac-D, Counter- Intelligence, Surveillance, and Reconnaissance (C-ISR) also supports all activities and costs needed to support the Air Force to further these types of development projects, as well as required program support costs (PSC).

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0208007F I Tactical Deception				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.539	13.711	0.000	0.000	0.000	
Current President's Budget	0.519	13.523	48.857	0.000	48.857	
Total Adjustments	-0.020	-0.188	48.857	0.000	48.857	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	-0.020	-0.188				
• Other Adjustments	0.000	0.000	48.857	0.000	48.857	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Non-Kinetic Air Base Defense				0.519	13.523	37.710
Description: Provide non-kinetic air base defense capabilities to include military and civilian personnel to support planning, concept development, experimentation, and operational employment of emerging air base defense capabilities. Develops capabilities and TTPs to denied adversaries ability to develop accurate intelligence assessments and conduct effective intelligence, surveillance, reconnaissance, and Targeting.						
FY 2026 Plans:						
Continue Air Base Defense development, testing, and operational support. Further details can be provided upon request through the appropriate forum.						
FY 2027 Plans:						
Complete the development, testing and assembly of Air Base Defense prototypes.						
FY 2026 to FY 2027 Increase/Decrease Statement:						
Funding increased due to completion of Air Base Defense development, testing, and delivery of prototypes. Further details can be provided upon request through the appropriate forum.						
Title: Theater Capabilities				0.000	0.000	11.147

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>				R-1 Program Element (Number/Name) PE 0208007F / <i>Tactical Deception</i>					

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Description: This funding is crucial to the delivery of key non-kinetic solutions capable of filling a critical joint operational gap. Directly targets adversary long-range kill chain capabilities. This investment enhances survivability, disrupts enemy targeting cycles, and ensures U.S. forces maintain spectrum dominance across joint and coalition missions. FY 2026 Plans: In FY 2027, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Airbase Kits efforts were transferred to PE 0208007F in order to consolidate work in this capability field into the same PE. FY 2027 Plans: Plans for Theater Capabilities available to discuss at a higher classification. FY 2026 to FY 2027 Increase/Decrease Statement: In FY 2027, PE 0207439F, Electromagnetic Warfare Int Reprog, Project 677722, Airbase Kits efforts were transferred to PE 0208007F in order to consolidate work in this capability field into the same PE.			
Accomplishments/Planned Programs Subtotals	0.519	13.523	48.857

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 04 845010: <i>Base Procured Equipment</i>	-	-	12.200	-	12.200	24.400	-	-	-	Continuing	Continuing
Remarks Due to the level of classification of tactical deception efforts, additional details will be provided upon request through the appropriate forum.											
E. Acquisition Strategy In FY2027 Tactical Deception will continue working to mature & validate technologies in order to transition to Program of Record.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208007F / <i>Tactical Deception</i>				Project (Number/Name) 674550 / <i>Air Base Resiliency</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TMRR Contract	C/CPAF	Various : Huntsville, AL	-	-		-		-		-		-	Continuing	Continuing	-
SR Prototype	MIPR	Various : Calumet, MI	-	-		-		-		-		-	Continuing	Continuing	-
Daiquiri	TBD	Various : TBD	-	-		7.012	Aug 2026	20.076	Aug 2027	-		20.076	Continuing	Continuing	-
CREED	TBD	Various : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Lemon Drop 1	Various	Various : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Old Fashion	C/CPAF	Various : Houghton, MI	-	-		-		-		-		-	Continuing	Continuing	-
Screwdriver	TBD	Various : TBD	-	-		1.500	Aug 2026	1.500	Aug 2027	-		1.500	Continuing	Continuing	-
Long Island	TBD	Various : TBD	-	-		1.500	Aug 2026	1.800	Aug 2027	-		1.800	Continuing	Continuing	-
Martini	TBD	Various : TBD	-	-		0.738	Aug 2026	1.556	Aug 2027	-		1.556	Continuing	Continuing	-
Black & Tan	TBD	Various : TBD	-	-		0.750	Aug 2026	0.755	Aug 2027	-		0.755	Continuing	Continuing	-
Negroni	TBD	Various : TBD	-	-		-		11.147	Aug 2027	-		11.147	Continuing	Continuing	-
Cider	TBD	Various : TBD	-	-		-		10.000	Aug 2027	-		10.000	Continuing	Continuing	-
Subtotal			-	-		11.500		46.834		-		46.834	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	MIPR	Chicken Little : Eglin AFB, FL	-	0.519	Apr 2026	0.373	Aug 2026	0.400	Aug 2027	-		0.400	Continuing	Continuing	-
Subtotal			-	0.519		0.373		0.400		-		0.400	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA)	Various	Various : WPAFB, OH	-	0.000	Apr 2026	1.650	Aug 2026	1.623	Aug 2027	-		1.623	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208007F / <i>Tactical Deception</i>				Project (Number/Name) 674550 / <i>Air Base Resiliency</i>					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	0.000		1.650		1.623		-		1.623	Continuing	Continuing	N/A
Remarks															
PMA: Other government costs (travel and contractor support)															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.519		13.523		48.857		-		48.857	Continuing	Continuing	N/A
Remarks															
Due to the level of classification of tactical deception efforts, additional details will be provided upon request through the appropriate forum.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0208007F / <i>Tactical Deception</i>					674550 / <i>Air Base Resiliency</i>			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Non-Kinetic Air Base Defense Development																												
Non-Kinetic Air Base Defense Development																												
Theater Capabilities																												
Theater Capabilities Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208007F / <i>Tactical Deception</i>	Project (Number/Name) 674550 / <i>Air Base Resiliency</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Non-Kinetic Air Base Defense Development</i>				
Non-Kinetic Air Base Defense Development	1	2025	4	2031
<i>Theater Capabilities</i>				
Theater Capabilities Development	2	2027	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0208087F I Distributed Cyber Warfare Operations							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	28.792	30.893	71.868	0.000	71.868	69.404	66.982	46.719	47.639	Continuing	Continuing
674543: AF Offensive Cyber Operations	0.000	28.792	30.893	71.868	0.000	71.868	69.404	66.982	46.719	47.639	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Distributed Cyber Warfare Operations (DCWO) consists of a portfolio of programs and projects focused on Research, Development, Testing, and Evaluation (RDT&E). Its purpose is to develop Non-Kinetic Cyber Effects (NKCE) support to Long Range Kill Chains. This is accomplished by increasing fielded technologies focused on increased aircraft survivability and munitions effectiveness to achieve tactical air objectives. The initiative transitions these efforts from laboratories, industry, and academia through studies, accelerated prototyping, and technology demonstrations. To accomplish its mission, success relies on balanced efforts across three Air Force (AF) offensive cyber operations (OCO) mission threads: Off Network, Telephony Network, and their supporting infrastructure. These efforts provide NKCE to Combatant Commanders, ultimately enhancing Cyber Enabled Air Superiority (CEAS).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

The FY 2026 request was reduced by 1.049 Million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222 & Implementing the President's Department of Government Efficiency Cost Efficiency Initiative.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0208087F I Distributed Cyber Warfare Operations			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	29.996	31.197	0.000	0.000	0.000
Current President's Budget	28.792	30.893	71.868	0.000	71.868
Total Adjustments	-1.204	-0.304	71.868	0.000	71.868
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-0.350	0.000			
• SBIR/STTR Transfer	-0.854	-0.304			
• Other Adjustments	0.000	0.000	71.868	0.000	71.868
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: DCWO	28.792	30.893	71.868	0.000	71.868
Description: Distributed Cyber Warfare Operations (DCWO) portfolio consists of a variety of capabilities previously described as Platform, Access, and Payloads products and services prior to FY 2025. In FY 2025, DCWO programs were managed and delivered in a more cohesive and integrated fashion, designed to closely align to Offensive Cyber Operation (OCO) organizations executing operations across applicable AF OCO mission threads (Off Network, Telephony Network, and associated infrastructure).					
FY 2026 Plans:					
- Continue to develop and field Radio Frequency and other over-the-air capabilities to enable Cyber Enabled Air Superiority (CEAS). Continue legacy capability in alignment with Air Force strategic pivot to CEAS. Continue to develop and field technologies focused on increased aircraft survivability and munitions effectiveness.					
- Continue to develop and integrate Network Attack System (NAS) capabilities, develop the LOCUTUS mission planning capability, and Dark Nebula (DANE) capabilities.					

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0208087F I Distributed Cyber Warfare Operations						
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total		
- Continue to develop and field Air Force-unique connectivity and associated Infrastructure products and services in support of Off Network and Telephony Network mission and capability requirements. FY 2027 Base Plans: - Will continue to develop and field capabilities to enable Cyber Enabled Air Superiority (CEAS), specifically continuing development and fielding of technologies focused on increased aircraft survivability and munitions effectiveness. - Will continue to develop and integrate Network Attack System (NAS) capabilities, develop the LOCUTUS mission planning capability, and Dark Nebula (DANE) capabilities. - Will continue to develop and field Air Force-unique connectivity and associated infrastructure products and services in support of Off Network and Telephony Network mission and capability requirements. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: A budget increase of \$40.975M (from \$30.893M to \$71.868M) supports increased efforts under the DCWO portfolio resulting from successful Science & Technology developments and support of an USAF Urgent Operational Need. These successful S&T activities address critical warfighting gaps, are ready for maturation into operationally relevant, executable systems and are supportive of Long Range Kill Chains for active-duty units.											
Accomplishments/Planned Programs Subtotals					28.792	30.893	71.868	0.000	71.868		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 834320: C3 Countermeasures	25.418	30.216	31.935	-	31.935	33.407	34.067	34.743	-	0.000	189.786
Remarks											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0208087F I Distributed Cyber Warfare Operations	
E. Acquisition Strategy The Air Force Life Cycle Management Center, Cyber Warfare Mission Systems (AFLCMC/HNCO) Program Management Office (PMO) will utilize Concept, Development, Risk Management, Production, or Deployment Plans as part of a streamlined approach to Distributed Cyber Warfare Operations (DCWO) acquisition planning. All plans will contain sufficient information for the Milestone Decision Authority (MDA) to determine readiness to enter into the applicable phase of the acquisition process. DCWO will execute under both new and existing contractual vehicles, such as Government-Wide Acquisition Contract (GWAC) vehicles (Alliant, Encore II, Solutions for Enterprise-Wide Procurement IV (SEWP IV)), General Services Administration (GSA), Federal Supply Schedules, Other Transactions, and a Cyber Indefinite Delivery Indefinite Quantity (IDIQ) contract. The use of multiple-award contractual vehicles will provide a wide range of commercially available products and services that should meet many requirements related to Offensive Cyberspace Operations. These multiple-award contractual vehicles have already met the statutory requirements of the Competition in Contracting Act (CICA), which requires a fair opportunity to all contract holders, in accordance with Federal Acquisition Regulation (FAR) 16.505, unless an exception to fair opportunity applies.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208087F / <i>Distributed Cyber Warfare Operations</i>				Project (Number/Name) 674543 / <i>AF Offensive Cyber Operations</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCWO Development	Various	Various : Various : TBD	-	21.087	Oct 2024	21.533	Nov 2025	50.092	Nov 2026	-		50.092	Continuing	Continuing	-
Subtotal			-	21.087		21.533		50.092		-		50.092	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCWO Support (DCA-AF Offensive Cyber Operations Development)	Allot	USAF Hanscom AFB, MA : TBD	-	2.760	Oct 2024	4.150	Nov 2025	9.652	Nov 2026	-		9.652	Continuing	Continuing	-
Subtotal			-	2.760		4.150		9.652		-		9.652	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCWO Test and Evaluation	PO	47 CTS San Antonio, TX : TBD	-	0.374	Dec 2024	0.790	Dec 2025	1.840	Nov 2026	-		1.840	Continuing	Continuing	-
Subtotal			-	0.374		0.790		1.840		-		1.840	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCWO Management Services (PSC - Acquisition Support (Various))	Various	Various San Antonio, TX : TBD	-	4.571	Nov 2024	4.420	Nov 2025	10.284	Nov 2026	-		10.284	Continuing	Continuing	-
Subtotal			-	4.571		4.420		10.284		-		10.284	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208087F / Distributed Cyber Warfare Operations					Project (Number/Name) 674543 / AF Offensive Cyber Operations				
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	-	28.792		30.893		71.868		-		71.868	Continuing	Continuing	N/A	

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0208087F / Distributed Cyber Warfare Operations					674543 / AF Offensive Cyber Operations									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DCWO (Formerly AF Cyber Mission Platform, Access/Infrastructure, and Payloads)																												
Platform Off Network Capabilities																												
Platform Telephony Network Capabilities																												
Platform Infrastructure Capabilities																												
Access Off Network Capabilities																												
Access Telephony Network Capabilities																												
Access Infrastructure Capabilities																												
Cyber Weapons Infrastructure Capabilities																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208087F / Distributed Cyber Warfare Operations	Project (Number/Name) 674543 / AF Offensive Cyber Operations	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DCWO (Formerly AF Cyber Mission Platform, Access/Infrastructure, and Payloads)				
Platform Off Network Capabilities	1	2025	4	2031
Platform Telephony Network Capabilities	1	2025	4	2031
Platform Infrastructure Capabilities	1	2025	4	2031
Access Off Network Capabilities	1	2025	4	2031
Access Telephony Network Capabilities	1	2025	4	2031
Access Infrastructure Capabilities	1	2025	4	2031
Cyber Weapons Infrastructure Capabilities	1	2025	4	2031

Note

Products and services previously developed under two AF Cyber Mission Platforms (CMP) and Access/Infrastructure major thrusts within PE 0208087F, (Distributed Cyber Warfare Operations), Project 674543 (AF Offensive Cyber Operations) moved to the new DCWO thrust in FY 2025. The new DCWO major thrust will comprise the Platform (formerly the AF CMP thrust), Access (formerly the Access/Infrastructure thrust), and Cyber Weapons (formerly the Payloads thrust) OCO-related product lines as subsystems and technical enablers that will each consist of the Off Network, Telephony Network, and Infrastructure mission thread portfolios. NOTE. Payloads will be renamed to Cyber Weapons as outlined by Congressional requirements in the FY 2022 NDAA, Section 1507, transferring responsibilities for the planning, programming, budgeting, and execution of the resources to USCYBERCOM.

DCWO

- Efforts are classified and information can be provided on a need-to-know basis
- Balances acquisition related RDT&E efforts in three AF OCO mission threads (Off Network, Telephony Network, and the associated Infrastructure that propel the Off Network and Telephony Network mission threads) across three OCO-related subsystems/technical enablers (Platforms, Access, and Cyber Weapons) that enable products, services, and systems in the DCWO portfolio
- Efforts include: 1. Off-network and telephony network capabilities enabling OCO platforms (i.e., SPECTRAL RAPTOR, CEAS, NAS, LOCUTUS); 2. Off-network and telephony network capabilities enabling OCO access (i.e., SPECTRAL RAPTOR, CEAS, DANE), and various Infrastructure systems across the Platforms, Access, and Cyber Weapons subsystems/technical enablers (i.e. KRAKEN, WICKED WIZARD, SV, and CDSSF)

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0208088F / <i>AF Defensive Cyberspace Operations</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	83.231	121.433	76.758	0.000	76.758	93.484	96.260	99.067	101.072	Continuing	Continuing
677820: <i>Computer Security RDTE: Firestarter</i>	0.000	7.942	7.395	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.337
677824: <i>Integrated Defensive Cyberspace System</i>	0.000	75.289	114.038	76.758	0.000	76.758	93.484	96.260	99.067	101.072	Continuing	Continuing

Note

In FY 2026, Project 677820, Computer Security RDTE: Firestarter was completed.

A. Mission Description and Budget Item Justification

Air Force Defensive Cyberspace Operations (AF DCO) allows the Department of the AF (DAF) to keep pace with the ever-evolving cyberspace threats. AF DCO develops capabilities that provide the DAF increased mission assurance through enhanced cyber defense and situational awareness over the systems and assets required to enable the movement of forces.

AF DCO is building an integrated architecture that extends cyber defense to, and integrates data from, information systems, mission systems, and control systems relevant to the DAF. The Integrated Defensive Cyberspace System (IDCS) will unify the missions of network defense and cyber protection teams, allowing them to conduct cyber missions from the same system with shared, mission-relevant data.

IDCS safeguards DAF Information Network (DAFIN) and Department of War (DoW) network enclaves including their associated computer systems, software applications and sensitive operational information against unauthorized access, intrusion, data exfiltration, corruption, and/or destruction. Legacy system modernization activities (BPAC 677821, 677822, 677823) have been combined into IDCS (BPAC 677824). The Firestarter effort (BPAC 677820) will deliver the final IDCS related software requirements in FY2026. IDCS continually improves its capabilities through modern software delivery practices: continuous research and development (R&D), testing, fielding, and modification based on operational feedback.

IDCS is operated by the DAF Total Force, including Active Duty (AD), Air National Guard (ANG), and AF Reserve Command (AFRC) Airmen. IDCS enables rapid deployment of defensive cyber sensor capabilities while disrupting bad actors from exploiting critical vulnerabilities by developing and employing both automated decision making (ADM) and human/machine teaming (HMT) with trained defensive cyber operators. IDCS supports both enterprise (fixed) and edge/mobile use cases and allows the DAF to execute the Cyberspace Vulnerability Assessment/Hunter (CVA/H), AF Cyber Defense (ACD), and Cyber Defense Analysis (CDA) missions.

IDCS addresses a critical capability gap - the lack of a synchronized, enterprise-level approach to mitigate cyberspace vulnerabilities related to mission performance and/or mission assurance. Failing to address this gap will hinder the DAF ability to project Air Power and dominate in a fight against near-peer adversaries.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0208088F I AF Defensive Cyberspace Operations				
The Integrated Defensive Cyberspace System (IDCS) integrates with, and makes its data available to, the Department of the Air Force (DAF) Data Fabric, Joint Cyberspace Warfighting Architecture (JCWA), and the Advanced Battle Management System (ABMS). IDCS provides increased visibility into health and readiness of cyberspace systems for both local and enterprise commanders.						
Activities also include various Advisory and Assistance Services (A&AS) and Program Management Administration (PMA) activities to support the aforementioned development efforts.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.						
The FY 2026 request was reduced by 0.998 million for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		89.618	95.034	0.000	0.000	0.000
Current President's Budget		83.231	121.433	76.758	0.000	76.758
Total Adjustments		-6.387	26.399	76.758	0.000	76.758
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-2.708			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	30.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-3.557	0.000			
• SBIR/STTR Transfer		-2.830	-0.893			
• Other Adjustments		0.000	0.000	76.758	0.000	76.758
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 677824: Integrated Defensive Cyberspace System						
Congressional Add: Autonomous Recovery from Cyber Attacks						
Congressional Add: Fortified Logic for ASIC Resiliency and Encryption						
Congressional Add: CMMC Automation for Secure Enclaves						
						</

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0208088F I AF Defensive Cyberspace Operations	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>			FY 2025
			FY 2026
		Congressional Add Subtotals for Project: 677824	-
		Congressional Add Totals for all Projects	-
<u>Change Summary Explanation</u>			
In FY2026 the program was reduced 2.708 million for program carryover.			
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations				Project (Number/Name) 677820 / Computer Security RDTE: Firestarter			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
677820: Computer Security RDTE: Firestarter	0.000	7.942	7.395	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.337
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, Project 677820, Computer Security RDTE: Firestarter was completed.												
A. Mission Description and Budget Item Justification The Firestarter program provides newly improved capabilities and technical transition opportunities for Cyber Defense and Information Assurance (IA) technologies and tools needed to defend Air Force (AF) Command, Control, Communications, Computer, and Intelligence (C4I) systems from cyber attacks, while ensuring recovery in the event of an attack. The emphasis of the program is directed toward defensive cyberspace capabilities; computer and network systems security; damage assessment and recovery; cyber threat recognition, attribution, and mitigation; and active response methodologies in response to evolving threats and changes to cyber environment. These areas of emphasis are realized through research and development, test and acquisition in the areas of proactive defense, defensive counter cyberspace, cyberspace intelligence, surveillance and reconnaissance & situational awareness, persistent network operations, as well as decision support, recovery, and digital forensics. Current AF systems, such as the Air Force Network (AFNet) Non-Classified Internet Protocol Router Network (NIPRNet) Gateways, Secret Internet Protocol Router Network (SIPRNet) Modernization program, and Host Based Security System leverage this technology to meet their information assurance and defensive cyberspace needs/requirements. Firestarter utilizes cyber and IA technology investments by United States Cyber Command (USCYBERCOM), the Defense Advanced Research Projects Agency (DARPA), the National Security Agency (NSA), Director of National Intelligence (DNI), Intelligence Advanced Research Projects Activity (IARPA), and the Department of Homeland Security (DHS), and various government research laboratories, to jump-start its development of solutions to existing AF cyber and IA requirements. This program supports AF Cyberspace strategic direction in support of Cyber Defense which provides capabilities to Sixteenth AF, as the AF component to USCYBERCOM, Defense Information Systems Agency (DISA), National Security Agency (NSA), and other services to ensure Global Information Grid (GIG) cyber and IA requirements are being met. Activities performed include those designed to identify, analyze, test, rapidly acquire, and integrate emerging IA and cyber technology and defensive cyberspace weapons systems and capabilities into all regions of the GIG - terrestrial, airborne, and space systems. In addition, this effort will support implementation of Department of War (DoW) Enterprise-wide IA & Computer Network Defense (CND) Solutions Steering Group (ESSG) solutions. This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Firestarter									7.942	7.395	0.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations	Project (Number/Name) 677820 / Computer Security RDTE: Firestarter	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
Description: To provide newly improved capabilities and technical transition opportunities for Cyber Defense and Information Assurance (IA) technologies and tools needed to defend Air Force (AF) Command, Control, Communications, Computer, and Intelligence (C4I) systems from cyber-attacks, while ensuring recovery in the event of an attack. FY 2026 Plans: - Research, develop, and mature incident response via remote analysis of end points - Conduct detection, interception, and analysis of advanced malware - Mature ability to perform detection and eradication of stealth dormant implants - Develop influence capabilities over adversary perceptions of blue cyber assets - Intercept malicious code over covert channels - Enhance cyber hardening of Industrial Control Systems (ICS)/Supervisory Control and Data Acquisition (SCADA) infrastructure - Research cyber defense for 5G protocol infrastructure and devices - Research cyber defense of space-born assets - Mature and implement Artificial Intelligence (AI) / Machine Learning (ML) systems for Cyber Mission Assurance - Adapt technologies in all of the above areas for joint distribution and sustainment via Iron Bank (DAF cyber capability repository) FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Firestarter requirements for IDCS will complete in FY2026.			
Accomplishments/Planned Programs Subtotals		7.942	7.395
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Firestarter conducts late-stage Science and Technology (S&T) for tech demo and tech transition to warfighter employment. All contracts within this project are awarded using full and open competition and utilize evolutionary capability and incremental development. Where appropriate, collaborative efforts are conducted with services and agencies within the Department of the Air Force to result in more robust and cost-effective solutions. Contracting activities are primarily done through other agencies when deemed more advantageous. All aspects of the Firestarter project are managed by the AF Research Laboratory (AFRL).			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force										Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations				Project (Number/Name) 677820 / Computer Security RDTE: Firestarter					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Firestarter Development	C/CPFF	Various : Various	-	5.471	Jan 2025	4.924	Jan 2026	-		-		-	Continuing	Continuing	9.401
Firestarter Integration	C/CPFF	Various : Various	-	1.347	Jan 2025	1.347	Jan 2026	-		-		-	Continuing	Continuing	2.665
Subtotal			-	6.818		6.271		-		-		-	Continuing	Continuing	N/A
Remarks															
Multiple contractors and multiple universities reflect on-going efforts with over a dozen contractors and universities. Each has a different contract date depending on when that particular contract was awarded.															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Firestarter Testing	C/CPFF	Various : Various	-	1.124	Jan 2025	1.124	Jan 2026	-		-		-	Continuing	Continuing	2.224
Subtotal			-	1.124		1.124		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.942		7.395		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations								Project (Number/Name) 677820 / Computer Security RDTE: Firestarter			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations	Project (Number/Name) 677820 / Computer Security RDTE: Firestarter

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Firestarter				
Maturation of Cyber Defense Capabilities for Transition to Operations	1	2025	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations				Project (Number/Name) 677824 / Integrated Defensive Cyberspace System			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
677824: Integrated Defensive Cyberspace System	0.000	75.289	114.038	76.758	0.000	76.758	93.484	96.260	99.067	101.072	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Integrated Defensive Cyberspace System (IDCS) enhances the Department of Air Force (DAF) cyber infrastructure and supports operations within contested environments. The IDCS mission is to provide and maintain enterprise situational awareness of the DAF's cyber terrain within a contested environment to enable and support Cyber Forces response to evolving Cyber threats.

The Air Force (AF) strategy previously involved three stand-alone programs that provided capabilities in a disparate fashion. IDCS delivers a comprehensive cyber defense architecture by integrating the three key mission sets with advanced sensors and data analytics. This provides commanders with critical risk assessments and enables proactive threat identification and neutralization on mission-critical networks.

Integrated Defensive Cyberspace System (IDCS) is an integrated enterprise-level cybersecurity system that safeguards DAF computer, network, weapon, and control systems. It empowers operators to detect threats and assess their impact, allowing for quick deployment of defensive measures to thwart malicious actors from exploiting critical vulnerabilities.

IDCS delivers the cybersecurity requirements of a variety of operational units, including the Sixteenth AF, 688th Cyber Wing Cyber Security Service Providers (CSSPs), 67th Cyber Wing, AF Cyber Protection Teams (CPTs), Mission Defense Teams (MDTs), and network defenders. It equips these units with the tools necessary to protect DAF networks, Industrial Control Systems, and Weapon Systems. It supports both enterprise and edge/mobile cybersecurity defense use cases.

IDCS provides capabilities to enable the following mission sets:

Cyberspace Vulnerability Assessment/Hunter (CVA/H): The Hunter mission focuses on the capability to find, fix, track, target, engage, and assess (F2T2EA) the advanced persistent threat (APT). CVA/H provides capabilities to characterize and then eliminate threats for the purpose of mission assurance. CVA/H executes Hunter missions on Air Force (AF) and Department of War (DoW) networks and systems.

Cyber Defense Analysis (CDA): The CDA mission conducts Defensive Cyberspace Operations (DCO) by monitoring, collecting, analyzing, and reporting sensitive information transiting or residing on the Air Force Network (AFNet). CDA assessments of non-secure telecommunications determine the type and amount of sensitive and/or classified information that may have been disclosed to our adversaries across Telephony Communications, Radio Frequency (RF) Communications, Email Communications, and Internet based Capabilities (IbC). The CDA mission protects the AF's critical information through passive monitoring and active Data Loss Protection (DLP).

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations		Project (Number/Name) 677824 / Integrated Defensive Cyberspace System		
Air Force Cyber Defense (ACD): The ACD mission prevents, detects, and responds to adversarial penetration into DAF unclassified and classified networks. ACD provides 24/7/365 monitoring and defense of Secure/Non-Secure Internet Protocol Router Network (SIPRNET/NIPRNET) systems.						
Enterprise Network Cyber Situational Awareness: The Integrated Defensive Cyberspace System (IDCS) provides situational awareness across the DAF Enterprise Network and enables Enterprise level Command and Control of cyber tools to respond to Cyber threats. The capability provides Security Information and Event Management (SIEM) and Security Orchestration, Automation, and Response (SOAR) to enable understanding of cybersecurity attacks, respond quickly, and prevent future incidents. IDCS aggregates and analyzes cyberspace data with the ability to enhance strategic assessments and provide a comprehensive dashboard and reporting structure.						
Activities also include various Advisory and Assistance Services (A&AS) and Program Management Administration (PMA) activities to support the aforementioned development efforts.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.						
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Integrated Defensive Cyberspace System (IDCS) Development				75.289	84.038	76.758
Description: IDCS is an integrated enterprise-level cybersecurity system that safeguards DAF computer, network, weapon, and control systems. It empowers operators to detect threats and assess their impact, allowing for quick deployment of defensive measures to thwart malicious actors from exploiting critical vulnerabilities. IDCS is a modern, containerized software system designed for flexibility and interconnectivity. It can be deployed on physical, virtual, or cloud-based hosts, ensuring seamless data sharing across the entire data fabric.						
IDCS includes the AF's Big Data Platform, Enterprise Logging Ingest and Cyber Situational Awareness Refinery (ELICSAR).						
FY 2026 Plans:						
• Develop and execute a phased integration of identified Defensive Cyberspace Operations systems into the IDCS ecosystem, prioritizing systems with the highest operational impact and lowest integration complexity.						
• Develop, test, and deploy cloud-based threat hunting and deception capabilities within the IDCS environment, including the implementation of honeypots, decoy systems, and automated threat intelligence feeds.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations		Project (Number/Name) 677824 / Integrated Defensive Cyberspace System	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
• Research and assess interfaces and data exchange requirements for full integration with Air Battle Management System/ Joint Cyber Warfighting Architecture (ABMS/JCWA). Will develop, test, and implement necessary interface adapters and data transformation processes. • Develop, test, and implement an advanced analytics platform within the Integrated Defensive Cyberspace System (IDCS) environment, capable of processing and analyzing large volumes of data to identify trends, patterns, and anomalies. Will deploy initial analytics dashboards. • Develop and deploy a federated query mechanism that allows users to query data across all endpoint Local Tactical Access Controller (LTAC) instances, while maintaining data security and access control. • Develop, test, and implement decentralized data retention that allows tactical edge platforms to retain critical Defensive Cyberspace Operations (DCO) data locally, ensuring continued operations in disconnected or degraded network environments. • Develop, configure, and integration test a DCO System Integration Lab environment. • Develop and implement automated Continuous Integration/Continuous Deployment (CI/CD) pipelines for IDCS, enabling the rapid deployment of 95% of patches and security updates, minimizing operational disruption and increasing system cyber readiness. • Integrate and exercise Development, Security, and Operations (DevSecOps) framework across the cyber test squadrons, including automated security testing and vulnerability management. FY 2027 Plans: • Will continue to develop and execute a phased integration of identified DCO systems into the IDCS ecosystem, prioritizing systems with the highest operational impact and lowest integration complexity. • Will continue to develop, test, and deploy cloud-based threat hunting and deception capabilities within the IDCS environment, including the implementation of honeypots, decoy systems, and automated threat intelligence feeds. • Will continue to research and assess interfaces and data exchange requirements for full integration with ABMS/JCWA. Will develop, test, and implement necessary interface adapters and data transformation processes.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations	Project (Number/Name) 677824 / Integrated Defensive Cyberspace System		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
• Will continue to develop, test, and implement an advanced analytics platform within the Integrated Defensive Cyberspace System (IDCS) environment, capable of processing and analyzing large volumes of data to identify trends, patterns, and anomalies. Will deploy initial analytics dashboards. • Will continue to develop and deploy a federated query mechanism that allows users to query data across all endpoint Local Tactical Access Controller (LTAC) instances, while maintaining data security and access control. • Will continue to develop, test, and implement decentralized data retention that allows tactical edge platforms to retain critical Defensive Cyberspace Operations (DCO) data locally, ensuring continued operations in disconnected or degraded network environments. • Will continue to develop, configure, and integration test a DCO System Integration Lab environment. • Will continue to develop and implement automated Continuous Integration/Continuous Deployment (CI/CD) pipelines for IDCS, enabling the rapid deployment of 95% of patches and security updates, minimizing operational disruption and increasing system cyber readiness. • Will continue to integrate and exercise Development, Security, and Operations (DevSecOps) framework across the cyber test squadrons, including automated security testing and vulnerability management. FY 2026 to FY 2027 Increase/Decrease Statement: The decrease from FY2026 to FY2027 is due to acceleration of autonomous recovery requirements in FY2026, completion of Firestarter requirements, and re-phasing of DCO requirements to align with DAF cyber priorities.					
Accomplishments/Planned Programs Subtotals			75.289	84.038	76.758
			FY 2025	FY 2026	
Congressional Add: Autonomous Recovery from Cyber Attacks			-	12.000	
FY 2026 Plans: - Develop and integrate real-time, pre-emptive threat detection capabilities in IDCS baseline.					
Congressional Add: Fortified Logic for ASIC Resiliency and Encryption			-	8.000	
FY 2026 Plans: - Develop and integrate hardened circuits in IDCS architecture to increase system integrity and improve operational reliability.					
Congressional Add: CMMC Automation for Secure Enclaves			-	10.000	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations	Project (Number/Name) 677824 / Integrated Defensive Cyberspace System	
			FY 2025	FY 2026
FY 2026 Plans: - Develop and integrate automated compliance checks, continuous monitoring, and user feedback capabilities in the Integrated Defensive Cyberspace System (IDCS) baseline.				
Congressional Adds Subtotals			-	30.000

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 834320: C3 Countermeasures	43.780	45.055	53.376	-	53.376	59.966	63.732	65.617	66.930	Continuing	Continuing

Remarks

D. Acquisition Strategy

IDCS utilizes the Software Acquisition Pathway (defined in DoDI 5000.87) as its overarching acquisition strategy.

IDCS entered Software Acquisition Pathway Planning Phase in Feb 2023. IDCS entered the Software Acquisition Pathway Execution Phase in Oct 2025.

Acquisition strategy for the IDCS focuses on ensuring cost efficiency, alignment with industry standards, and maximizing collaboration with related programs. The IDCS Program Management Office (PMO) will leverage pre-competed contracts for the procurement of hardware and software components to streamline the sourcing process and ensure compliance with program requirements. IDCS will use open-source software and Commercial Off-the-Shelf (COTS) hardware, fostering the utilization of existing technologies and reducing development time. Model-Based Systems Engineering (MBSE) will serve as a cornerstone for IDCS program management approach, enabling effective collaboration between teams and facilitating the integration of IDCS with related programs. By aligning the IDCS program with these core principles, we aim to create a nimble, scalable, and interoperable cybersecurity solution.

The strategy places a strong emphasis on leveraging enterprise capabilities such as Platform One, Cloud One, the Joint Cyber Warfighting Architecture and Joint Warfighting Cloud Capability (JWCC) to optimize existing resources and ensure seamless interoperability. By utilizing these robust and versatile platforms, we can reduce development costs, expedite delivery, and maintain a high level of quality and compatibility. This strategy will further enable IDCS to integrate and collaborate effectively with related programs, ensuring the delivery a comprehensive and potent cybersecurity solution for the DAF.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations				Project (Number/Name) 677824 / Integrated Defensive Cyberspace System					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IDCS: Software Development - CI/CD Pipeline	C/FFP	Defense Unicorns : Colorado Springs	-	8.842	Jan 2025	17.798	Jan 2026	12.158	Jan 2027	-		12.158	Continuing	Continuing	9.800
IDCS: Software Development - Control Plane	MIPR	Multiple : Various	-	8.398	Jan 2025	15.396	Jan 2026	9.850	Jan 2027	-		9.850	Continuing	Continuing	10.600
IDCS: Software Development - Data Plane	Various	TBD : TBD	-	9.400	Jan 2025	39.889	Jan 2026	10.920	Jan 2027	-		10.920	Continuing	Continuing	11.100
IDCS: Software Development - Data Platform, Ingest, Analytics, and Display (ELICSAR BDP)	C/FFP	Enlighten Consulting : Columbia	-	22.744	Jan 2025	8.264	Jan 2026	19.203	Jan 2027	-		19.203	Continuing	Continuing	27.900
IDCS: Software Development - Multiple Personas	Various	Multiple : TBD	-	0.000	Jan 2025	0.000	Jan 2026	0.000	Jan 2027	-		0.000	Continuing	Continuing	15.064
Subtotal			-	49.384		81.347		52.131		-		52.131	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IDCS: Data Science	MIPR	Multiple : Various	-	3.230	Jan 2025	3.090	Jan 2026	3.457	Jan 2027	-		3.457	Continuing	Continuing	3.000
IDCS: Early ContinuousOperator Training Support	MIPR	Multiple : Various	-	7.000	Jan 2025	3.605	Jan 2026	2.000	Jan 2027	-		2.000	Continuing	Continuing	3.500
IDCS: Digital Engineering	MIPR	Multiple : Various	-	0.000	Jan 2025	1.050	Jan 2026	1.000	Jan 2027	-		1.000	Continuing	Continuing	3.000
Subtotal			-	10.230		7.745		6.457		-		6.457	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations				Project (Number/Name) 677824 / Integrated Defensive Cyberspace System					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IDCS: 47th Cyber Test Sq	PO	47th Cyber Test Sq : TBD	-	1.944	Oct 2024	1.720	Oct 2025	2.144	Oct 2026	-		2.144	Continuing	Continuing	2.800
IDCS: 48th Test Support Sq	PO	48th Test Support Sq : TBD	-	0.000	Oct 2024	2.266	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	2.200
Subtotal			-	1.944		3.986		2.144		-		2.144	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IDCS: ProgramSupport Costs (PSC)	Various	Various : Various	-	12.584	Apr 2025	16.570	Apr 2026	14.000	Apr 2027	-		14.000	Continuing	Continuing	11.517
IDCS: Direct Cite Authority Civilian Pay	Allot	Various : Various	-	1.147	Oct 2024	4.390	Oct 2025	2.026	Oct 2026	-		2.026	Continuing	Continuing	5.500
Subtotal			-	13.731		20.960		16.026		-		16.026	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	75.289		114.038		76.758		-		76.758	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations		Project (Number/Name) 677824 / Integrated Defensive Cyberspace System	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integrated Defensive Cyberspace System (IDCS)																												
SW Prototyping																												
System Integration and Initial Training																												
Continuous SW Updates/vulnerability patches/enhancements																												
- ELICSAR Big Data Platform																												
- IDCS Command and Control																												
- IDCS Sensor Layer Data Fabric																												
- - CSSP User Persona Applications																												
- - Hunt User Persona Applications																												
- - ICS User Persona Applications																												
- - MDT User Persona Applications																												
- Data Plane SW																												
- Control Plane SW																												
Continuous Test																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208088F / AF Defensive Cyberspace Operations	Project (Number/Name) 677824 / Integrated Defensive Cyberspace System	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Integrated Defensive Cyberspace System (IDCS)</i>				
SW Prototyping	1	2025	4	2025
System Integration and Initial Training	2	2025	4	2031
Continuous SW Updates/vulnerability patches/enhancements	1	2025	4	2031
- ELICSAR Big Data Platform	1	2025	4	2031
- IDCS Command and Control	1	2025	4	2031
- IDCS Sensor Layer Data Fabric	1	2025	4	2031
- - CSSP User Persona Applications	1	2025	4	2031
- - Hunt User Persona Applications	1	2025	4	2031
- - ICS User Persona Applications	3	2025	4	2031
- - MDT User Persona Applications	3	2025	4	2031
- Data Plane SW	1	2025	4	2031
- Control Plane SW	1	2025	4	2031
Continuous Test	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0208288F I Intel Data Applications							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.988	1.012	7.511	0.000	7.511	7.753	7.975	7.998	8.166	Continuing	Continuing
67A051: Space Superiority - Advanced Intelligence Systems	0.000	0.988	1.012	7.511	0.000	7.511	7.753	7.975	7.998	8.166	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In FY 2027 Funding supported the development of communication infrastructures required for the application of intelligence data for combat and combat support users. This communication infrastructure was designed to have the ability to apply multiple types of intelligence data such as datasets, databases, models and simulations (M&S), analysis, and Counter Unmanned Aerial Vehicles (C-UAS) data.

Additionally, this funding supports the development of advanced signal processing techniques and the enablement of process automation, data triage, and artificial intelligence (AI) machine learning (AI/ML) algorithms to accelerate the processing and extraction of intelligence data. Objectives included execution of competitive accelerated prototyping efforts, technology demonstrations, and the development, testing, and integration of operations-ready applications into existing and future operational Processing, Exploitation, and Dissemination systems.

Efficiency-Contract Services

Reduces contracts for 0.414 million in FY 2027 in contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0208288F I Intel Data Applications				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.988	1.012	0.000	0.000	0.000
Current President's Budget		0.988	1.012	7.511	0.000	7.511
Total Adjustments		0.000	0.000	7.511	0.000	7.511
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	7.511	0.000	7.511
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Radar PED Automation				0.988	1.012	0.393
Description: Execute competitive accelerated prototyping efforts, technology demonstrations, and the development, testing and integration of operations-ready applications to PED systems.						
FY 2026 Plans: Develop tools, models, and simulations to inform S&TI analysis. Evaluate and select the highest capable automation prototypes for development, test, integration, and operational fielding.						
FY 2027 Plans: Develop tools, models, and simulations to inform S&TI analysis. Evaluate and select the highest capable automation prototypes for development, test, integration, and operational fielding.						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease will reduce support tool development to perform analysis on trends, UAS vulnerabilities, and UAV modeling and simulation.						
Title: cUAS All-Source Analysis, Modeling & Simulation (M&S), and Scientific & Technical Intelligence (S&TI) tool development to perform analysis on trends, UAS vulnerabilities, and UAV modeling and simul...				0.000	0.000	7.118

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0208288F / <i>Intel Data Applications</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Develop tools, models, and simulations to inform S&TI analysis. FY 2026 Plans: Accelerate development of models and simulations and advance AI/ML in support of the counter Unmanned Aerial Systems (cUAS) mission. FY 2027 Plans: c-UAS All- Source Analysis, Modeling & Simulation, Advance Machine Learning (ML) Enabled Modeling & Simulation (M&S) and develop enhancements for multi-model and complex-model M&S visualizations. FY 2026 to FY 2027 Increase/Decrease Statement: Includes 6.895 million in funding for Threat Validation to fulfill intelligence support requirements.				
Accomplishments/Planned Programs Subtotals		0.988	1.012	7.511
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy These efforts will be supported via the following contract vehicles: NASIC NOVASTAR, AFRL InSite				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0208288F / Intel Data Applications						Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NOVASTAR	C/CPAF	NASIC : Dayton, OH	-	0.988	May 2025	1.012	May 2026	1.030	May 2027	-		1.030	Continuing	Continuing	-
AFRL InSITE	C/CPAF	AFRL : Dayton, OH	-	0.000	Jul 2026	0.000	Dec 2025	6.481	Dec 2026	-		6.481	Continuing	Continuing	-
Subtotal			-	0.988		1.012		7.511		-		7.511	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.988		1.012		7.511		-		7.511	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0208288F / Intel Data Applications										Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Radar PED Automation																												
Intel Data Comms Infrastructure																												
cUAS All-Source Analysis, Modeling & Simulation (M&S), and Scientific & Technical Intelligence (S&TI)																												
Intel Data Comms Infrastructure																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208288F / Intel Data Applications	Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Radar PED Automation				
Intel Data Comms Infrastructure	1	2025	4	2031
cUAS All-Source Analysis, Modeling & Simulation (M&S), and Scientific & Technical Intelligence (S&TI)				
Intel Data Comms Infrastructure	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301025F I GeoBase							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.985	0.403	0.000	0.403	0.000	0.000	0.000	0.000	Continuing	Continuing
673280: Ceit01	0.000	0.000	0.985	0.403	0.000	0.403	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

The funding will allow the AF to modernize NexGen IT and develop interfaces with other CE data systems as well as provide for continued development of the Comprehensive Planning Platform. The RDT&E requirements for NexGen IT are planned to be completed in FY24.

A. Mission Description and Budget Item Justification

Funds the research and development of AF Civil Engineer (CE) NexGen IT systems for all Total Force installations. The purpose for the funds are to develop/modernize NexGen IT, a Commercial-Off-The-Shelf (COTS) system; specifically to develop a Space Management/Utilization capability as well as new interfaces with other Civil Engineer data systems (i.e. Builder SMS). NexGen IT provides an integrated asset management system for the CE community with the capability to support cost accounting, Operations (Work Management and Material Control), Real Property, Project Management, and Energy Management. NexGen IT replaces several Legacy IT systems that lack the capability to meet present and future mission requirements and the ability to be compliant with Congressionally-mandated Financial Audit Improvement Readiness (FIAR).

The Comprehensive Planning Platform (CPP) is a Civil Engineering Enterprise solution that enables installations and 2,800 users to make investment decisions based on asset management principles, strategic guidance, and data through a repeatable planning process. The platform digitally integrates Installation Development Plans (IDPs), Component Plans, & Asset Management Plans (AMPs) - strengthens installation planning & operationalizes asset management responsive to changes at the installation and enterprise by allowing for continuous updates. Funding is necessary to support migration activities from the current SharePoint Online (SPO) environment to Cloud-based servers, as well as support continued development of features necessary for the long-term build out of the CPP.

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

This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute, and deliver NexGen IT and CPP development/modernization for emergent or unanticipated weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0207479F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0301025F / GeoBase				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	0.999	0.000	0.000	0.000
Current President's Budget		0.000	0.985	0.403	0.000	0.403
Total Adjustments		0.000	-0.014	0.403	0.000	0.403
• Congressional General Reductions		0.000	-0.014			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	0.403	0.000	0.403
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: NexGen IT Development				0.000	0.985	0.403
Description: Develop a Space Management/Space Utilization capability within NexGen IT; develop interfaces between NexGen IT and other CE data systems (a COTS program).						
FY 2026 Plans: NexGen IT Residual costs						
FY 2027 Plans: NexGen IT Residual costs						
FY 2026 to FY 2027 Increase/Decrease Statement: NexGen IT residual development/costs						
Title: Comprehensive Planning Platform Development				0.000	0.000	-
Description: Develop Comprehensive Planning Platform cloud environment.						
FY 2026 Plans: Continue development of Comprehensive Planning Platform cloud environment providing digital storage, visualization, and management to facilitate installation planning.						
FY 2026 to FY 2027 Increase/Decrease Statement: N/A						
Accomplishments/Planned Programs Subtotals				0.000	0.985	0.403

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0301025F I GeoBase	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy The requirements development will be executed through the Air Force Life Cycle Management Center Enterprise Information Systems Directorate (AFLCMC/HIM). NexGen IT will utilize an existing contract vehicle.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0301025F / GeoBase				Project (Number/Name) 673280 / Ceit01					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Develop CE NexGen IT	C/CPFF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Develop Comprehensive Planning Platform	C/FFP	Not specified. : TBD	-	0.000	Sep 2025	0.985	Sep 2026	0.403	Jan 2027	-		0.403	Continuing	Continuing	-
Subtotal			-	0.000		0.985		0.403		-		0.403	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000		0.985		0.403		-		0.403	Continuing	Continuing	N/A
Remarks															
The funding will allow the AF to modernize NexGen IT and develop interfaces with other CE data systems as well as provide for continued development of the Comprehensive Planning Platform.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0301025F / GeoBase			Project (Number/Name) 673280 / Ceit01				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Develop Civil Engineer NexGen IT																												
Develop Civil Engineer NexGen IT																												
Develop Comprehensive Planning Platform																												
Develop Comprehensive Panning Platform																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0301025F / GeoBase	Project (Number/Name) 673280 / Ceit01	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Develop Civil Engineer NexGen IT				
Develop Civil Engineer NexGen IT	1	2025	4	2027
Develop Comprehensive Planning Platform				
Develop Comprehensive Panning Platform	4	2025	4	2027

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301113F I Cyber Security Intelligence Support							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	18.141	14.749	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
671931: TECH SURVEIL COUNTER MEAS EQPT	0.000	18.141	14.749	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mission Description: Provides funding to the Air Force owned DoD Cyber Crime Center to fund continued development and modifications of cybersecurity tools and activities to support DoD-wide military intelligence efforts to include CADO-IS (formerly CI-PED), Automated Data Obfuscation (ADO) formerly known as STORMSYSTEM, Encompasses specialized range of cyber defense services that support the 2023 National Cybersecurity Strategy with specific focus on protecting companies who do business with the DoD. DC3 lead development, integration, and deployment of network detection solutions that include scalable solutions; real-time alerting; detection/reporting of malicious cyber activity. Located on Defense Industrial Base (DIB) networks to detect data exfiltration or unauthorized access. Sensor program viewed as complementary and more advanced capabilities than legacy efforts (Service-specific sensors, in-house Intrusion Detect Systems, etc.), and DC3 conducts a Capabilities Based Assessment (CBA) for the Secure Hosted Information Environment for Law Enforcement Data (SHIELD) which is a key component of the Law Enforcement Evidence Data Repository (LEEDR) program ongoing at Fort Eisenhower, GA. Activities include but are not limited to development of software/hardware systems, integration and transition of lab-developed cyber capabilities, developmental testing, operational evaluation, manpower, studies, analysis, pilots, demonstrations, and risk reduction efforts to improve protection of critical technologies.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2025 0 was expended for civilian pay expenses in this program element, and in FY2026 0 is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0301113F I Cyber Security Intelligence Support				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	18.141	14.749	0.000	0.000	0.000	
Current President's Budget	18.141	14.749	0.000	0.000	0.000	
Total Adjustments	0.000	0.000	0.000	0.000	0.000	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	0.000	0.000	0.000	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Cyber Security Intelligence Support				18.141	14.749	0.000
Description: Provides funding to the Air Force owned DoD Cyber Crime Center to fund continued development and modifications of cybersecurity tools and activities to support DoD-wide military intelligence efforts to include CADO-IS (formerly CI-PED), Automated Data Obfuscation (ADO) formerly known as STORMSYSTEM. Encompasses specialized range of cyber defense services that support the 2023 National Cybersecurity Strategy with specific focus on protecting companies who do business with the DoD. DC3 lead development, integration, and deployment of network detection solutions that include scalable solutions; real-time alerting; detection/reporting of malicious cyber activity. Located on Defense Industrial Base (DIB) networks to detect data exfiltration or unauthorized access. Sensor program viewed as complementary and more advanced capabilities than legacy efforts (Service-specific sensors, in-house Intrusion Detect Systems, etc.), and DC3 conducts a Capabilities Based Assessment (CBA) for the Secure Hosted Information Environment for Law Enforcement Data (SHIELD) which is a key component of the Law Enforcement Evidence Data Repository (LEEDR) program ongoing at Fort Eisenhower, GA. Activities include but are not limited to development of software/hardware systems, integration and transition of lab-developed cyber capabilities, developmental testing, operational evaluation, manpower, studies, analysis, pilots, demonstrations, and risk reduction efforts to improve protection of critical technologies.						
FY 2026 Plans: Program efforts are providing professional and technical subject matter expertise to the future development and modification of cybersecurity tools and activities to support DoD-wide military intelligence efforts.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0301113F <i>I Cyber Security Intelligence Support</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Enhancing future design and improved ability to support research, prototyping, development, and testing of cybersecurity tools to synchronize collection, focus operational activity, and rapidly share intelligence to support DoD-wide military intelligence efforts. <i>FY 2027 Plans:</i> Program efforts will provide professional and technical subject matter expertise to the future development and modification of cybersecurity tools and activities to support DoD-wide military intelligence efforts. Enhance future design and improved ability to support research, prototyping, development, and testing of cybersecurity tools to synchronize collection, focus operational activity, and rapidly share intelligence to support DoD-wide military intelligence efforts. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.				
Accomplishments/Planned Programs Subtotals		18.141	14.749	0.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Utilize a tailorable acquisition strategy that facilitates the rapid update and delivery of material and nonmaterial solutions to operational military intelligence efforts. This approach allows flexibility for solutions to enter the acquisitions process at any phase of the acquisition life cycle. Cyber Security Intelligence Support provides the rapid development environment and DevOps capacity to meet urgent operational needs/requirements in the protection of critical technologies.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Total: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0301113F / Cyber Security Intelligence Support				Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cyber Security Capability Development	C/CPAF	Perspecta (Peraton) : Reston, VA	-	5.950	Apr 2025	5.950	Apr 2026	0.000		-		0.000	Continuing	Continuing	-
Cyber CI Capability Development	C/CPFF	CACI : Florham Park, NJ	-	0.500	Apr 2025	0.500	Apr 2026	0.000		-		0.000	Continuing	Continuing	-
Cyber Security Sensor Development	C/CPFF	MITRE : McLean, VA	-	1.850	Oct 2024	1.523	Oct 2025	0.000		-		0.000	Continuing	Continuing	-
Cyber Sensor Development	C/CPAF	SAF/CDN : Columbia, MD	-	4.037	Oct 2024	4.037	Oct 2025	0.000		-		0.000	Continuing	Continuing	-
Cyber Security Data Capability Development	C/CPAF	MITRE : McLean, VA	-	3.000	Mar 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	15.337		12.010		0.000		-		0.000	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cyber Security Intelligence Support	C/CPAF	Perspecta (Peraton) : Reston, VA	-	2.804	Apr 2025	2.739	Apr 2026	0.000		-		0.000	Continuing	Continuing	-
Subtotal			-	2.804		2.739		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	18.141		14.749		0.000		-		0.000	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0301113F / <i>Cyber Security Intelligence Support</i>					Project (Number/Name) 671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cyber Security Intelligence Support																												
Design and Maintain Enhanced Research, Prototyping, Development and Testing of Cybersecurity Tools																												
Research, Prototype, Develop, and Test Cybersecurity Tools to Synchronize Collection, Focus Operational Activity, and Rapidly Share Intelligence																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0301113F / <i>Cyber Security Intelligence Support</i>	Project (Number/Name) 671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Cyber Security Intelligence Support</i>				
Design and Maintain Enhanced Research, Prototyping, Development and Testing of Cybersecurity Tools	1	2025	4	2030
Research, Prototype, Develop, and Test Cybersecurity Tools to Synchronize Collection, Focus Operational Activity, and Rapidly Share Intelligence	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301377F I Countering Advanced Conventional Weapons (CACW)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.834	1.117	1.343	0.000	1.343	1.604	1.634	1.666	1.699	Continuing	Continuing
675306: Analysis Enterprise	0.000	0.834	1.117	1.343	0.000	1.343	1.604	1.634	1.666	1.699	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Countering Advanced Conventional Weapons (CACW) investment is a Congressionally approved and OUSD(I&S) backed focused on improving Scientific and Technical Intelligence (S&TI) for the combined Defense Intelligence Enterprise (DIE) program through the accelerated creation of authoritative threat engineering analysis, weapon system models, and integrated simulation of top-priority threat scenarios.												
CACW's goal is to increase the overall analytic health of the DIE to meet S&TI analysis and threat Modeling and Simulation (M&S) weapons technical intelligence requirements against near peer threat competitors. CACW investments are a scalable, scenario-based approach to increase S&TI analysis and threat model development capacity across the DIE to close the intelligence gap on the understanding, characterization and impact of top priority threat systems and system-of-systems.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
B. Program Change Summary (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total				
Previous President's Budget				0.834	1.117	0.000	0.000	0.000				
Current President's Budget				0.834	1.117	1.343	0.000	1.343				
Total Adjustments				0.000	0.000	1.343	0.000	1.343				
• Congressional General Reductions				0.000	0.000							
• Congressional Directed Reductions				0.000	0.000							
• Congressional Rescissions				0.000	0.000							
• Congressional Adds				0.000	0.000							
• Congressional Directed Transfers				0.000	0.000							
• Reprogrammings				0.000	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	1.343	0.000	1.343				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: CACW Production Tools									0.834	1.117	1.343	

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0301377F <i>I Countering Advanced Conventional Weapons (CACW)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Creation of advanced analytic tool and IT capabilities critical to production needs focusing on Machine Learning, operations research analysis, advanced software configuration & development, and external assistance for proper set-up and prototyping execution of system-of-systems simulations. FY 2026 Plans: Continue tools development/integration and IT needs for S&TI needs to facilitate the creation and delivery of multi-domain, cross-functional technical modeling and simulation (M&S) analysis. FY 2027 Plans: FY 2026 funding increase to provide advanced software configuration & development. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding increase for advanced software R&D for technical simulation integration.				
Accomplishments/Planned Programs Subtotals		0.834	1.117	1.343
D. Other Program Funding Summary (\$ in Millions) N/A Remarks				
E. Acquisition Strategy Contract type and strategy will be assessed each year; however, it is anticipated to be a mix of contract types.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0301377F / Countering Advanced Conventional Weapons (CACW)						Project (Number/Name) 675306 / Analysis Enterprise			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CACW Tools Development	Various	NASIC : WPAFB, OH	-	0.834	May 2025	1.117	Oct 2025	1.343	Oct 2026	-		1.343	Continuing	Continuing	-
Subtotal			-	0.834		1.117		1.343		-		1.343	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.834		1.117		1.343		-		1.343	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0301377F / Countering Advanced Conventional Weapons (CACW)										Project (Number/Name) 675306 / Analysis Enterprise									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CACW Tools Development																												
Virtual Desktop																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0301377F / Countering Advanced Conventional Weapons (CACW)	Project (Number/Name) 675306 / Analysis Enterprise

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CACW Tools Development				
Virtual Desktop	3	2025	4	2030

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301401F I AF Multi-Domain Non-Traditional ISR Battlespace Awareness							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.006	2.987	2.754	0.000	2.754	2.943	3.047	3.115	3.184	0.000	21.036
67A051: Space Superiority - Advanced Intelligence Systems	0.000	3.006	2.987	2.754	0.000	2.754	2.943	3.047	3.115	3.184	0.000	21.036
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Cross Domain Tactical OPIR Processing delivers a mechanism providing reach-back support for battlespace awareness functions and manages the timely transfer of newly developed tools to operational users.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	3.006	2.987	0.000	0.000	0.000
Current President's Budget	3.006	2.987	2.754	0.000	2.754
Total Adjustments	0.000	0.000	2.754	0.000	2.754
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	2.754	0.000	2.754

Change Summary Explanation

Efficiency-Contracts Services, reduce contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0301401F / AF Multi-Domain Non-Traditional ISR Battlespace Awareness		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: TAC OPIR Processing Description: Deliver tactically relevant OPIR processing, including both software development and a controlled multi-level security interface that provides data access and processing services for a robust and flexible network architecture. FY 2026 Plans: Continue to process and deliver tactically relevant OPIR data and enhancements of the platform and analytic tool suite. Multiple tools developed under an Intelligence Community Major System Acquisition, leading to increased demand for the capabilities and multi-level security interface provided by this Budget Item. FY 2027 Plans: Continue to process and deliver tactically relevant OPIR data and enhancements of the platform and analytic tool suite. Multiple tools developed under an Intelligence Community Major System Acquisition, leading to increased demand for the capabilities and multi-level security interface provided by this Budget Item. FY 2026 to FY 2027 Increase/Decrease Statement: Efficiency-Contracts Services, reduce contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."		3.006	2.987	2.754
Accomplishments/Planned Programs Subtotals		3.006	2.987	2.754
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy All contracts funded in this program will be awarded using competitive procedures to the maximum extent possible.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0301401F / AF Multi-Domain Non-Traditional ISR Battlespace Awareness						Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cross Domain OPIR	C/CPFF	NASIC : Dayton, OH	-	3.006	Oct 2024	2.987	Oct 2025	2.754	Oct 2026	-		2.754	Continuing	Continuing	-
Subtotal			-	3.006		2.987		2.754		-		2.754	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.006		2.987		2.754		-		2.754	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0301401F / AF Multi-Domain Non-Traditional ISR Battlespace Awareness					67A051 / Space Superiority - Advanced Intelligence Systems			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Algorithm Development																												
Platform Development																												
Tactical OPIR Processing - Hardware and Software Development																												
Hardware Purchases, Software Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0301401F / AF Multi-Domain Non-Traditional ISR Battlespace Awareness	Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Algorithm Development				
Platform Development	3	2025	4	2031
Tactical OPIR Processing - Hardware and Software Development				
Hardware Purchases, Software Development	3	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0302015F I E-4B National Airborne Operations Center (NAOC)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	52.362	55.095	50.873	0.000	50.873	21.830	2.695	2.744	2.799	0.000	188.398
674777: E-4B Aircraft Modernization	0.000	52.362	55.095	50.873	0.000	50.873	21.830	2.695	2.744	2.799	0.000	188.398
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The four (4) aircraft E-4B National Airborne Operations Center (NAOC) fleet satisfies the military need for an airborne operations center with communications capabilities permitting military and civilian leadership to monitor and control military and civil national assets during all phases of conflict (nuclear and non-nuclear) or natural disaster. The E-4B NAOC fleet also satisfies the military requirement to provide a highly survivable node of the National Military Command System (NMCS).

This program's developmental efforts include, but are not limited to, upgrades and enhancements to aircraft structures, propulsion system, fuel system, environmental control system, electrical generation and distribution systems, flight safety and navigation systems (with their associated communications equipment), and the Systems Integration Lab. Modifications may enhance the aircraft's mission capabilities necessary for the E-4B fleet to execute its mission, to include but not limited to those necessary for the Senior Leadership Command, Control and Communications System (SLC3S), National Leadership Command Capability (NLCC), and Nuclear Command, Control, and Communications (NC3). Funds may also be used to explore and develop modifications, upgrades, and future systems required to meet evolving mission requirements.

This budget supports the following developmental modifications and studies/projects currently underway or planned for accomplishment:

- Survivable Super High Frequency (SSHF) will upgrade and replace portions of the E-4B's Jam-Resistant Secure Communications (JRSC) system to meet existing Presidential Policy Directive (PPD)-35 and National Security Presidential Directive (NSPD)-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. Expected modifications include, but are not limited to, component and sub-system upgrades and replaces portions of the current Super High Frequency (SHF) system that are obsolete or near end of service life. A replacement to the SHF system is required as secure, survivable communications capability transitions from the Defense Satellite Communications System (DSCS). A risk-reduction study was completed in FY 2019 to further define the acquisition strategy of the SSHF program. The program will be acquired in 2 increments and each increment will be split into 2 installs to expedite fielding and reduce impact to Aircraft Availability. Increment 1A will upgrade the existing Ka-band system. Increment 1B will include technical solutions such as upgrading the existing modems and systems integration lab. Increment 2A will include new modem technology and common workstation. Increment 2B will include a new Ku-band system upgrades to the X-band system. Due to Air Force priorities, the X-band requirements will be deferred.

- The E-4B Systems Integration Laboratory (SIL) program will develop a test environment configured to represent the mission systems of the E-4B with connectivity to mission networks and services. E-4B SIL started as the Test Accreditation Integration Lab (TAIL) 5 for development of the E-4B SSHF program. The E-4B SIL program will expand the capabilities of TAIL 5 beyond SSHF to include the other mission communication systems within the E-4B. The E-4B SIL is necessary to minimize

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0302015F I E-4B National Airborne Operations Center (NAOC)				
modernization and technical refresh schedules by reducing time on aircraft for install, test, ground connections/configurations, technical orders, redlines/rework, and training. Schedule reduction by the E-4B SIL will directly support increased Aircraft Availability (AA). The E-4B SIL will be developed in blocks begin with the Advanced Extremely High Frequency(AEHF)/Presidential & National Voice Conferencing (PNVC) Integration Program (APIP) Backbone being added to the existing SSHF baseline to provide the basic platform communications systems. The next block will incorporate the Mission Equipment Section (MES) systems to allow reproduction of necessary data to operate both the SIL and operational aircraft. The next blocks will continue to build out network and communication systems based their associated priorities and system dependencies.						
- Touchscreen Executive Phone - Airborne (TXP-A) - effort replaces the existing obsolete secure touch screen phones for senior national leaders to maintain multi-level security. The TXP-A will upgrade computing capabilities of the secure phone and durability of various components such as processors and touch screen displays. The replacement of the TXP-A phones will allow the NAOC to continue to meet Presidential Policy Directive (PPD)-35 requirements across the full spectrum of crisis.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		57.441	54.457	0.000	0.000	0.000
Current President's Budget		52.362	55.095	50.873	0.000	50.873
Total Adjustments		-5.079	0.638	50.873	0.000	50.873
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-9.850			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	11.100			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-3.000	0.000			
• SBIR/STTR Transfer		-2.079	-0.612			
• Other Adjustments		0.000	0.000	50.873	0.000	50.873
Change Summary Explanation						
FY 2025 budget request decreased by a total of \$5.079 million due to \$3.000 million decrease for Below Threshold Reprogramming to support other Air Force priorities and a \$2.079 million decrease for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0302015F I E-4B National Airborne Operations Center (NAOC)		
FY 2026 budget request increased by a total of \$0.638 millions due to a \$9.850 million Congressional Directed Reduction decrease, an \$11.100 million Congressional Add for next generation satellite communications and a decrease of \$0.612 million for to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).				
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Survivable SHF		43.338	40.991	22.963
Description: Survivable Super High Frequency (SSHF) will upgrade and replace portions of the E-4B's Jam-Resistant Secure Communications (JRSC) system to meet existing Presidential Policy Directive (PPD)-35 and National Security Presidential Directive (NSPD)-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. Expected modifications include, but are not limited to, component and sub-system upgrades and replaces portions of the current SHF system that are obsolete or near end of service life. A replacement to the SHF system is required as secure, survivable communications capability transitions from the Defense Satellite Communications System (DSCS). A risk-reduction study was completed in FY2019 to further define the acquisition strategy of the SSHF program. The program will be acquired in 2 increments and each increment will be split into 2 installs to expedite fielding and reduce impact to Aircraft Availability. Increment 1A will upgrade the existing Ka-band system. Increment 1B will include technical solutions such as upgrading the existing modems and systems integration lab. Increment 2A will include new modem technology and common workstation. Increment 2B will include a new Ku-band system upgrades to the X-band system. Due to Air Force priorities, the X-band requirements will be deferred.				
FY 2026 Plans: - Continue design/begin prototype of Ku-band system - Installation of 2A prototype				
FY 2027 Plans: -Complete Ku development activities -Begin Ku integration, testing and installation activities				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to completion of SPECTRE 2A prototype installation, leaving only Ku Band effort requiring funding.				
Title: E-4B Systems Integration Laboratory (SIL)		9.024	7.990	13.686
Description: The E-4B Systems Integration Laboratory (SIL) program will develop a test environment configured to represent the mission systems of the E-4B with connectivity with mission networks and services. E-4B SIL started as the Test Accreditation Integration Lab (TAIL) 5 for development of the E-4B Survivable Super High Frequency (SSHF) program. The E-4B SIL program				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0302015F / <i>E-4B National Airborne Operations Center (NAOC)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) will expand the capabilities of TAIL 5 beyond SSHF to include the other mission communication systems within the E-4B. The E-4B SIL is necessary to minimize modernization and technical refresh schedules by reducing time on aircraft for install, test, ground connections/configurations, technical orders, redlines/rework, and training. Schedule reduction by the E-4B SIL will directly support increased Aircraft Availability (AA). The E-4B SIL will be developed in blocks and begin with the AEHF/PNVC Integration Program (APIP) Backbone being added to the existing SSHF baseline to provide the basic platform communications systems. The next block will incorporate the Mission Equipment Section (MES) systems to allow reproduction of necessary data to operate both the SIL and operational aircraft. The next blocks will continue to build out network and communication systems based their associated priorities and system dependencies. FY 2026 Plans: - Continue APIP backbone integration into SIL - Begin Block 1 incorporate/develop the Mission Equipment Section systems FY 2027 Plans: -Completion of APIP backbone certification -Continuation of Mission Equipment Section systems development and integration -Begin legacy network and communication integration FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased is due to ramp up of the legacy network and communication integration.		FY 2025	FY 2026	FY 2027
Title: Touchscreen Executive Phone-Airborne (TXP-A) Description: TXP-A effort will replace the existing secure touch screen phones for senior national leaders to maintain multi-level security. The TXP-A will upgrade computing capabilities of the secure phone and durability of various components such as processors and touch screen displays. The TXP-A replacement will allow the NAOC to continue to meet Presidential Policy Directive (PPD)-35 requirements across the full spectrum of crisis. FY 2026 Plans: -Begin development of the TXP-A solution FY 2027 Plans: -Continue TXP-A development effort -Begin TXP-A integration and testing FY 2026 to FY 2027 Increase/Decrease Statement:		0.000	6.114	14.224

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0302015F I E-4B National Airborne Operations Center (NAOC)						
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Funding increased due to the ramp-up of integration activities and development.												
Accomplishments/Planned Programs Subtotals										52.362	55.095	50.873
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 Line Item E00400: E-4B Nat Airborne Ops Center (NAOC)	24.828	45.232	30.779	-	30.779	27.197	46.539	25.131	19.561	0.000	219.267	
• APAF 06 Line Item 000999: Initial Spares/Repair Parts	0.373	0.378	0.389	-	0.389	0.396	0.403	0.410	0.418	0.000	2.767	
Remarks												
E. Acquisition Strategy												
Acquisition Strategy: The acquisition strategy for each specific modification differs based on the urgency of the requirement, definition of the capability, and technology readiness level of the components.												
The Acquisition Strategy for Survivable SHF Inc 1A and 1B is Section 804 Middle Tier Acquisition (MTA). Increment 1 Rapid Prototype MTA was approved in April 2019 and is in the procurement phase. Increment 2 Rapid Prototype MTA was approved in December 2021, but was split into two increments and ultimately transitioned into two ACAT III acquisition programs, 2B (Ku-band/X-band) in 1st quarter FY 2025 and 2A (Spectre) in 3rd quarter FY 2025.												
Management Strategy: Program management for all aircraft modifications is executed by the Executive Aircraft Division at Tinker AFB, Oklahoma. The Program Executive Officer (PEO) for Presidential and Executive Airlift, at Wright Patterson, Ohio, provides management oversight.												
Contracting Strategy: The contracting strategy differs for each individual modification, but normally includes an initial engineering study contract followed by a development contract. Production installations and sustainment are typically accomplished with the E-4B Contractor Logistics Support (CLS) contract.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)				Project (Number/Name)					
3600 / 7						PE 0302015F / E-4B National Airborne Operations Center (NAOC)				674777 / E-4B Aircraft Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Survivable SHF	C/CPFF	L-3 : SLC, UT	-	26.338	Mar 2025	29.891	May 2026	22.963	Oct 2026	-		22.963	0.000	79.192	120.000
Survivable SHF - support equipment & next gen satellite communications capabilities	TBD	TBD : TBD, LA	-	17.000		11.100	Aug 2026	-		-		-	0.000	28.100	-
E-4B SIL	SS/CPFF	SMS : OKC, OK	-	9.024	Sep 2025	7.990	Aug 2026	13.686	Jan 2027	-		13.686	0.000	30.700	50.000
TXP-A	C/CPAF	TBD : TBD, OK	-	-		6.114	Jul 2026	14.224	Jan 2027	-		14.224	0.000	20.338	-
Subtotal			-	52.362		55.095		50.873		-		50.873	0.000	158.330	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	52.362		55.095		50.873		-		50.873	0.000	158.330	N/A
Remarks															
FY 2025 SSHF funding supports development, integration and test of SPECTRE 2A system (Inc 2A); development effort for Ku Band (Inc 2B) under the L-3Harris contract.															
FY 2025 SIL funding supports APIP backbone development, long lead parts, and installation into SIL.															
FY 2026 SSHF funding supports development and integration of SSHF Ku-band systems (Inc 2B) under L-3Harris contract.															
FY 2026 SIL funding supports Block development effort (Mission Equipment Section).															
FY 2026 TXP-A funding supports initial research/integration for this effort.															
FY 2027 SSHF funding supports development and integration of SSHF Ku-band systems (Inc 2B) under L-3 Harris Contract.															
FY 2027 SIL funding supports Block development efforts Mission Equipment Section and legacy network communications integration.															
FY 2027 TXP-A funding supports development and integration for this effort.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0302015F / E-4B National Airborne Operations Center (NAOC)			Project (Number/Name) 674777 / E-4B Aircraft Modernization

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
E4B Aircraft Modernization																												
Survivable SHF Spectre (Inc 2A) Integration, Testing, and Installation																												
Survivable SHF Spectre (Inc 2A) Prototype Modification Decision																												
Survivable SHF Spectre (Inc 2A) Milestone C Decision																												
Survivable SHF Inc Ku-band (Inc 2B) Development																												
E-4B Systems Integration Laboratory (SIL) Advanced Extremely High Frequency (AEHF) Backbone Development and Integration																												
E-4B SIL Mission Equipment Section Block Development and Integration																												
E-4B SIL Legacy Network and Communication Block Development and Integration																												
Touchscreen Executive Phone-Airborne (TXP-A) development																												
TXP-A Milestone B																												
TXP-A Milestone C																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0302015F / E-4B National Airborne Operations Center (NAOC)	Project (Number/Name) 674777 / E-4B Aircraft Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
E4B Aircraft Modernization				
Survivable SHF Spectre (Inc 2A) Integration, Testing, and Installation	1	2025	3	2026
Survivable SHF Spectre (Inc 2A) Prototype Modification Decision	1	2025	1	2025
Survivable SHF Spectre (Inc 2A) Milestone C Decision	3	2026	3	2026
Survivable SHF Inc Ku-band (Inc 2B) Development	2	2025	4	2031
E-4B Systems Integration Laboratory (SIL) Advanced Extremely High Frequency (AEHF) Backbone Development and Integration	4	2025	1	2027
E-4B SIL Mission Equipment Section Block Development and Integration	4	2026	4	2027
E-4B SIL Legacy Network and Communication Block Development and Integration	1	2027	1	2031
Touchscreen Executive Phone-Airborne (TXP-A) development	4	2026	2	2028
TXP-A Milestone B	3	2026	3	2026
TXP-A Milestone C	3	2028	3	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0302315F I Non-Kinetic Countermeasure Support							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	7.590	7.006	4.024	0.000	4.024	2.011	0.000	0.000	0.000	Continuing	Continuing
675309: Geo Info & Serv Software Development	0.000	7.590	7.006	4.024	0.000	4.024	2.011	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Non-Kinetic Countermeasure Support (NKCS) at NASIC enables the testing, prototyping, and development efforts for a DoD-wide federated data architecture and repository for the specific mission set identified in 2025 Classified CJB MIP Vol 5. The repository will include the tools to provide tailored analysis and visualization to meet the scientific and technical intelligence (S&TI) needs of the Acquisition Intelligence enterprise, DoD Intelligence Enterprise (DIE), and Title 10 operations.

*The FY25 funds split between two organizations. NASIC's portion of the funding is described above and the other organization and the description of their funds are at a higher classification level. All funding was then programmed in error sending all funds starting in FY25 and through the FYDP to NASIC. Due to the classified nature of the incorrectly programmed funds sent to NASIC, justification was only provided for NASIC's portion of the funding leading to a cut of half of the FY25 programmed amount. The programming has been corrected across the FYDP.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	7.590	7.006	0.000	0.000	0.000
Current President's Budget	7.590	7.006	4.024	0.000	4.024
Total Adjustments	0.000	0.000	4.024	0.000	4.024
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	4.024	0.000	4.024

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0302315F I Non-Kinetic Countermeasure Support				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Data Architecture/Repository Description: RDT&E funding will enable the testing, prototyping, and development efforts for a DoD wide federated data architecture and repository for the specific mission set identified in 2025 Classified CJB MIP Vol 5. The repository will include the tools to provide tailored analysis and visualization to meet the scientific and technical intelligence needs of the acquisition intelligence enterprise, DoD Intelligence Enterprise, and Title 10 operations. FY 2026 Plans: FY26 will finish FY25's evaluation of current database capabilities as necessary and then fund the development and release of a minimum viable product of repository capabilities, design of federated architecture, and prototyping of repository capabilities. N/A FY 2027 Base Plans: Release of a Minimal Viable Product (MVP), including repository capabilities, design of federated architecture, and prototyping of repository capabilities. Future integration requirements, data/object standards, and classified information network changes will populate FY27+ requirement changes as development continues to Initial Operational Capability. (IOC) FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Insights gained from evaluating current database capabilities in FY26 will inform the development and launch of a minimum viable product in FY27. The decrease correlates with the planned development of entering into a Minimum Viable Product (MVP) and then Initial Operational Capability. (IOC)		4.115	7.006	4.024	0.000	4.024
Title: Classified Support Description: This portion of the funding exceeds the classification of this system and will be provided on an appropriately classified system. FY 2026 Plans:		3.475	0.000	0.000	0.000	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>			R-1 Program Element (Number/Name) PE 0302315F / <i>Non-Kinetic Countermeasure Support</i>		
C. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base
FY26 funding was programmed out of this PE and to the correct classified PE location. This portion of the funding exceeds the classification of this system and will be provided on an appropriately classified system.					
FY 2027 Base Plans: N/A					
FY 2027 OOC Plans: N/A					
FY 2026 to FY 2027 Increase/Decrease Statement: N/A					
Accomplishments/Planned Programs Subtotals			7.590	7.006	4.024
D. Other Program Funding Summary (\$ in Millions) N/A					
Remarks					
E. Acquisition Strategy Contract type and strategy will be assessed each year; however, it is anticipated that there will be a mix of contract types. InSITE: Primary contract for the DoD and IC for general operation, maintenance, and administration of IT infrastructure and mission systems Cost-Plus-Fixed Fee Justifiable for new project in R&D phase Allows full flexibility for Agile Development Software development is a continuous process					

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0302315F / Non-Kinetic Countermeasu re Support						Project (Number/Name) 675309 / Geo Info & Serv Software Development			

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Data Architecture/ Repository	C/Various	NASIC : WPAFB, OH	-	4.115	Jul 2025	7.006	Jul 2026	4.024		-		4.024	Continuing	Continuing	-
Subtotal			-	4.115		7.006		4.024		-		4.024	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified Support	TBD	N/A : TBD	-	3.475	Feb 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	3.475		-		-		-		-	Continuing	Continuing	N/A

			Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.590	7.006	4.024	-	4.024	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0302315F / Non-Kinetic Countermeasu re Support										Project (Number/Name) 675309 / Geo Info & Serv Software Development									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Data Architecture and Repository																												
Development and Testing																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0302315F / Non-Kinetic Countermeasu re Support	Project (Number/Name) 675309 / Geo Info & Serv Software Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Data Architecture and Repository</i>				
Development and Testing	4	2025	4	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303004F I EIT CONNECT							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	15.531	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.531
673100: Operational System Development - Hq USAF Only	0.000	15.531	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.531
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2026, PE 0303004F (EIT Connect), Project 673100, Operational System Development - Hq USAF Only is finishing the prototype efforts started in FY2025.

A. Mission Description and Budget Item Justification

This activity builds upon the deployment and connectivity of solutions being delivered under the Department of the Air Force (DAF) Advanced Battle Management System (ABMS) Program Element 64003F. The DAF executed Task Force Sentinel Stand (TFSS) to assess cyber command relations (COMREL) at the tactical edge. TFSS proved warfighters have a critical need to take their endpoint devices to austere locations and still access needed classified data without High Assurance IP Encryptor devices. Connectivity will allow relevant mission data requirements to the edge and through space with diverse access paths to deter adversary intrusions. This will include the Software-Defined Wide Area Network (SD-WAN) routing layer to transport content across nodes through both government and commercial communication paths. Through this effort the DAF will deploy, connect, and test SD-WAN solutions in direct support of USAFE, Air Force Forces Generation (AFFORGEN), and Agile Combat Employment (ACE) initiatives, to allow Combat Air Forces to connect, move and maneuver, and recover safely, reducing risk to mission and life.

The DAF, Chief Information Officer's (CIO) vision is to provide resilient, software-defined, transport and portable end points that create efficiencies and resiliency in transport by creating a "Black Fabric" that allows multiple providers to transport multiple classifications, rather than the historic and vulnerable approach of 1 fiber, 1 network, 1 classification.

In FY2024, funding was allocated for activities to support deployment, connection and testing of an Operational Enterprise Information Technology (EIT) SD-WAN network in an "operational prototype" configuration, to demonstrate distributed edge intelligence and C2 "on-the-move" focusing on the PACAF region. Funding initiated deployment of network capability that could be scaled for employment across any DAF (or Department of War (DoW)) installation or weapon system.

In FY2025 funds were allocated to further Operational SD-WAN activities to design, install, and configure hardware/software solutions focusing on the USAFE region. This is to provide Global Teleport (voice) services and alternate connectivity capabilities.

In FY 2026, Project 673100, (Operational System Development) was terminated/completed. 0.000M has been allocated to this effort and no further programmatic activities are expected at this time.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303004F I EIT CONNECT				
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2025 0.000M was expended for civilian pay expenses in this program element, and in FY2026 0.000M is forecasted for civilian pay expenses in this program element.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		16.120	0.000	0.000	0.000	0.000
Current President's Budget		15.531	0.000	0.000	0.000	0.000
Total Adjustments		-0.589	0.000	0.000	0.000	0.000
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.589	0.000			
• Other Adjustments		0.000	0.000	0.000	0.000	0.000
Change Summary Explanation						
FY2024 was reduced by \$24.675M due to "Enterprise IT Diverse Data-Routing Network unjustified request."						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: EIT CONNECT				15.531	0.000	-
Description: To ensure the efficient use of DAF investment in the tactical communications at the edge to execute Agile Combat Employment (ACE) design and validate broader Department of the Air Force (DAF) level requirements that provide resilient, distributed, and secure connectivity—including mobile computing and multiple communications pathways (government and commercial space, cellular, wireless, fiber)—to mitigate adversary threats to our critical Enterprise Information Technology infrastructure during both normal/peacetime operations and in wartime operations. Initial deployments support PACAF/INDOPACOM and USAFE.						
FY 2026 Plans:						
- Continue to provide Global Teleport (voice) services						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0303004F / <i>EIT CONNECT</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Continue teleport services and alternate connective solutions - Continue to integrate tactical satellite communications into Air Force networks. FY 2026 to FY 2027 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		15.531	0.000	-
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks N/A				
E. Acquisition Strategy A firm-fixed price contract is used to provide resilient networking in the PACAF/USAFE theater.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303004F / EIT CONNECT						Project (Number/Name) 673100 / Operational System Development - Hq USAF Only			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EIT CONNECT	C/FFP	TBD : TBD	-	15.531	Apr 2025	-		-		-		-	0.000	15.531	41.185
Subtotal			-	15.531		-		-		-		-	0.000	15.531	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.531		-		-		-		-	0.000	15.531	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303004F / EIT CONNECT						Project (Number/Name) 673100 / Operational System Development - Hq USAF Only			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Operational System Development - Hq USAF Only																												
SD-WAN																												
PACAF																												
SD-WAN Pilot USAFE																												
Global Teleport Services																												
Satcom Integration																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303004F / EIT CONNECT	Project (Number/Name) 673100 / Operational System Development - Hq USAF Only

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Operational System Development - Hq USAF Only				
SD-WAN	3	2025	4	2026
PACAF	3	2025	4	2026
SD-WAN Pilot USAFE	2	2025	2	2026
Global Teleport Services	2	2025	2	2026
Satcom Integration	3	2025	4	2026

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303089F I Cyberspace and DoDIN Operations							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.432	9.955	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.387
676002: Cyber Systems Modernization	0.000	9.432	9.955	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.387
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2026, PE 0303089F (Cyberspace and DoDIN Operations), Project 676002, Cyber Systems Modernization finished efforts.

A. Mission Description and Budget Item Justification

Cyberspace Operations Support (CSOS) consists of a portfolio of capabilities that provide the ability to visualize and process data from weapon/mission systems, sensed by the Integrated Defensive Cyberspace System (IDCS). CSOS supports situational awareness (SA) over Mission Relevant Terrain-Cyber (MRT-C) across the Global Air Force missions. CSOS positions the Air Force to comply with the FY22 National Defense Authorization Act (NDAA) Section 1505, which requests a complete mapping of MRT-C for Defense Critical Assets (DCAs) and Task Critical Assets (TCAs) to enable mission thread analysis and SA.

CSOS will focus on data analytics, visualization, dashboards, threat, and network awareness enabling missions across the Department of the Air Force (DAF). Development will focus on improvement of visualization dashboards to provide cyber-SA and decision tools leveraging data gained from the IDCS sensor suite. Development teams will produce Air Force-specific software modules and/or enhancements to existing suites of cyber command and control (C2) software or new software development efforts, to include Mission Defense Team (MDT) C2 software, provide weapon systems cyber awareness, and provide SA for the Air Force Information Network (AFIN) Security Operations Center (SOC).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303089F I Cyberspace and DoDIN Operations				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		9.776	10.080	0.000	0.000	0.000
Current President's Budget		9.432	9.955	0.000	0.000	0.000
Total Adjustments		-0.344	-0.125	0.000	0.000	0.000
• Congressional General Reductions		0.000	-0.125			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.344	0.000			
• Other Adjustments		0.000	0.000	0.000	0.000	0.000
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Cyber Systems Modernization				9.432	9.955	0.000
Description: Capabilities developed/delivered will support integration and enhancement of existing cyber Command and Control (C2) solutions supporting data visualization and processing needs for sensor deployment, network, mission and control system monitoring, C2 support of mission defense teams, and Situational Awareness (SA) to cyber service security providers.						
FY 2026 Plans: - Adapt and modify C2 solutions to meet Department of the Air Force (DAF) requirements - Prototype C2 visualization/dashboard - Support Pacific Air Force (PACAF) Area of Responsibility (AOR) cyber exercises and incorporate emerging requirements into software development cycles - Conduct Global Air Force missions mapping of Mission Relevant Terrain - Cyber (MRT-C) - Support Global Air Force exercises and incorporate emerging requirements into software development cycles						
FY 2027 Plans: - None						
FY 2026 to FY 2027 Increase/Decrease Statement:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0303089F / <i>Cyberspace and DoDIN Operations</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
FY2026 to FY2027 decrease is due to completion of efforts in FY2026.				
Accomplishments/Planned Programs Subtotals		9.432	9.955	0.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Cyberspace Operations Support (CSOS) will be executed as part of the Integrated Defensive Cyberspace System (IDCS) acquisition strategy which employs the Software Acquisition Pathway defined in DoDI 5000.87. CSOS will apply agile acquisition tenets to the programmatic, design/engineering, test, and delivery aspects to provide Situational Awareness (SA)/Command and Control (C2) capabilities to the warfighter in a rapid manner and deliver focused visualization/dashboard tools and applications to meet specified mission requirements. To meet mission needs, CSOS may leverage various existing and new contract vehicles to facilitate the rapid development, integration, and fielding of capabilities designed to counter emerging and persistent cyber threats.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303089F / Cyberspace and DoDIN Ope rations				Project (Number/Name) 676002 / Cyber Systems Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cyber Systems Modernization - Development	C/FFP	F2MTN7 : Columbia, MD	-	6.826	Feb 2025	7.308	Feb 2026	0.000	Feb 2027	-		0.000	Continuing	Continuing	11.231
Subtotal			-	6.826		7.308		0.000		-		0.000	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cyber Systems Modernization - PMO Program Support Costs (PSC)	Various	EPASS : TBD	-	1.656	Feb 2025	1.664	Feb 2026	0.000	Feb 2027	-		0.000	Continuing	Continuing	2.156
Subtotal			-	1.656		1.664		0.000		-		0.000	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cyber Systems Modernization - Test Support	PO	47th Test Sq : TBD	-	0.950	Feb 2025	0.983	Feb 2026	0.000	Feb 2027	-		0.000	Continuing	Continuing	1.250
Subtotal			-	0.950		0.983		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.432		9.955		0.000		-		0.000	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026							
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0303089F / Cyberspace and DoDIN Operations								Project (Number/Name) 676002 / Cyber Systems Modernization							

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303089F / Cyberspace and DoDIN Operations	Project (Number/Name) 676002 / Cyber Systems Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Cyber Systems Modernization				
Visualization Dashboards	1	2025	4	2026

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303131F I Minimum Essential Emergency Communications Network (MEECN)

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	24.763	98.548	254.837	0.000	254.837	368.485	402.931	413.945	296.826	Continuing	Continuing
672490: FAB-T CPT	0.000	0.000	0.000	31.000	0.000	31.000	71.200	81.800	35.400	11.100	0.000	230.500
672832: MEECN System Improvements	0.000	1.073	1.096	0.008	0.000	0.008	0.008	0.008	0.008	0.008	Continuing	Continuing
672835: Common VLF/LF Receiver Inc 2	0.000	12.267	17.750	47.653	0.000	47.653	60.257	12.929	81.074	54.739	Continuing	Continuing
673035: Presidential and National Voice Conferencing	0.000	0.000	0.000	0.311	0.000	0.311	0.000	0.000	0.000	0.000	0.000	0.311
673040: Force Element Terminal	0.000	0.000	66.742	81.264	0.000	81.264	41.600	43.200	44.900	46.700	0.000	324.406
673041: ICBM MEECN Terminals (IMT)	0.000	0.000	0.000	15.800	0.000	15.800	44.800	55.200	96.700	124.200	0.000	336.700
674609: Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)	0.000	0.000	0.000	11.372	0.000	11.372	24.000	25.000	18.000	0.000	0.000	78.372
676029: Global Aircrew Strategic Network Terminal	0.000	0.000	0.000	18.018	0.000	18.018	15.959	0.000	0.000	0.000	Continuing	Continuing
676030: Global ASNT Inc 2	0.000	11.423	12.960	49.411	0.000	49.411	110.661	184.794	137.863	60.079	Continuing	Continuing

Note
 This program, BA 7, PE 0303131F, project 673041, ICBM MEECN Terminal (IMT), is a new start.
 This program, BA 7, PE 0303131F, project 674609, MMP SLEP, is a new start.
 This program, BA 7, PE 0303131F, project 676029, Global ASNT Inc 1 Modernization, is a new start.

A. Mission Description and Budget Item Justification

Nuclear Deterrence Operations (NDO) is an Air Force Core Function. Within this core function, Nuclear Command and Control (NC2) is the exercise of authority and direction by the President, as Commander in Chief, through established command lines, over nuclear weapon operations of military forces. The President's authority and direction are exercised through the Nuclear Command and Control System (NCCS). The NCCS is the designated combination of flexible and enduring elements including facilities, equipment, communications, procedures, personnel, and the structure in which these elements are integrated, all of which are essential for planning, directing, and controlling nuclear weapon operations.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303131F I Minimum Essential Emergency Communications Network (MEECN)	
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. The FAB-T - Command Post Terminal (FAB-T CPT) project replaces legacy Milstar (AFCPT) terminals and will provide Extremely High Frequency (EHF) protected high data rate communication for nuclear and conventional forces to include the Presidential and National Voice Conferencing (PNVC). FAB-T CPT will provide this new, highly secure, state-of-the-art capability for Department of War (DoW) platforms to include strategic platforms and airborne/ground command posts via Advanced EHF (AEHF), and Evolved Strategic Satellite Communications (ESS) satellite constellations. FAB-T CPTs will also support the critical command and control (C2) of Advanced EHF (AEHF) and ESS satellite constellations. MEECN System Improvements (MSI) is a long-range planning effort with users (Air Force Global Strike Command (AFGSC), Air Combat Command (ACC), United States Space Force (USSF), Air Mobility Command (AMC), Air Force Special Operations Command (AFSOC), US Strategic Command (USSTRATCOM), and the US Navy (USN)) to monitor and assess the performance of existing NC3 systems and develop recommendations for strategic and tactical architecture upgrades, requirements, and issues based on available and emerging technologies. MSI is used to conduct technology testing; model performance; analyze technology strategies; conduct requirement trade space analysis, technology maturation and risk reduction efforts, and mission analysis; and build technology roadmaps as proactive support to the NC3 community. MSI performs analysis, integration, and testing activities for the NC3 Weapon System. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. The Common Very Low Frequency/Low Frequency (VLF/LF) Receiver (CVR) Increment 2 (CVRi2) Program will develop and produce a modular open systems approach (MOSA), Cryptographic Modernization 2.0 (CM-2), New VLF Waveform (WF) compliant advanced VLF/LF receiver for all ground and airborne NC3 platforms. As the USAF VLF receiver integrator, the VLF Enterprise Program Office (VLF EPO) will continue to be responsible for VLF receiver sustainment, to include configuration management of the CVR Increment 1 (CVRi1) materiel solution (KGR-72) and sustainment of legacy receivers, while also providing management support to the B-52 VLF Modernization Program for its procurement and production of the directed VLF receiver (KGR-72). The VLF EPO will provide management and engineering support for VLF receiver requirements across legacy and emerging NC3 platforms. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. The Presidential and National Voice Conferencing (PNVC) Integrator project is a critical element of the Nuclear Command, Control, and Communications (NC3) System. PNVC integrator replaces the Survivable Emergency Conferencing Network (SECN) capability, and provides anti-jam, anti-scintillation, survivable, and enduring voice communications via AEHF and ESS satellite constellations for national and strategic users. There are several components being developed and procured by other organizations that must be synchronized to expeditiously field the capability. The PNVC Integrator is responsible for end-to-end integration of these components, to include requirements traceability, end-to-end system testing, configuration and checkout activities, training and technical manuals, network transition support,		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303131F I Minimum Essential Emergency Communications Network (MEECN)	
identification of deficiencies in overall PNVC system capability, enterprise, and life cycle support for PNVC components. The AFPEO/SP approved entry into the acquisition lifecycle as a post MS-A Acquisition Category (ACAT) III Program of Record in January 2016. Starting in December 2018, PNVC Integrator became responsible for the funding requests of all program elements related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661. In March 2019, the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on the inclusion of DISA funding in the program budget.		
The Family of Advanced Beyond Line-of-Sight Terminals - Force Element Terminal (FAB-T FET) program replaces the Ultra High Frequency (UHF) Milstar terminals and provides secure, protected, and survivable communications for the strategic warfighter through airborne-based Military Satellite Communication (MILSATCOM) terminals. The FAB-T FET will provide worldwide nuclear and non-nuclear, survivable, anti-jam Low Probability of Detect (LPD)/ Low Probability of Intercept (LPI) data. The FAB-T FET will be interoperable with Advanced Extremely High Frequency (AEHF), Enhanced Polar Systems - Recapitalization (EPS-R), and Evolved Strategic SATCOM (ESS) satellite constellations and will be installed on the B-52 aircraft (threshold). FAB-T FET was designated as a Middle Tier of Acquisition (MTA) in February 2019. In January 2026, FAB-T FET was designated as a Major Capability Acquisition (MCA) program with closure of the MTA program.		
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.		
ICBM MEECN Terminal (IMT) will provide resilient Nuclear Command, Control, and Communications capabilities for the Intercontinental Ballistic Missile (ICBM) Forces. IMT will deliver an integrated NC3 suite which includes Extremely High Frequency (EHF) capabilities and an open architecture-based framework. This framework will enable faster and extensible capabilities integration and upgrades for other communication pathways. IMT will integrate the Common Very Low Frequency (VLF) Receiver (CVR). For ICBM risk reduction, IMT will prepare for integration with ICBM Weapon Systems.		
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.		
The Minuteman MEECN Program (MMP) Service Life Extension Program (SLEP) will enable the legacy MMP System that is beyond end-of-life to continue to provide Intercontinental Ballistic Missile (ICBM) Forces with a survivable link for reception of Emergency Action Messages (EAMs) from the President and Secretary of War (SECWAR). Until the new follow-on system can be fielded. MMP is a Command and Control (C2) system directly supporting the Chairman of the Joint Chiefs of Staff in the National Command Center and the Strategic Nuclear Command Centers. MMP provides super high-frequency (SHF) down-link/extremely high-frequency (EHF) up-link and very low-frequency (VLF)/low-frequency (LF) messaging support for Minuteman III ICBM Launch Control Centers (LCCs).		
The MMP SLEP is needed to support the Minuteman III weapon system, beyond its expected service life of 2030. The significant delays to the Sentinel program requires life extension of the current Minuteman III system, and subsystems, which include MMP. Without a Service Life Extension Program (SLEP), MMP will continue to experience severe spare parts availability and Diminishing Manufacturing Sources and Material Shortages (DMSMS). The MMP operational availability will continue to decrease, and future modifications will not be addressed creating a significant gap in capability, further reducing our nation's nuclear deterrence.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303131F I Minimum Essential Emergency Communications Network (MEECN)	
The Global Aircrew Strategic Network Terminal (Global ASNT) program replaces antiquated, unsustainable strategic communications equipment at bomber and tanker 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 and tanker aircrews. Global ASNT is being fielded in separate capability increments. Global ASNT Increment 1 (Inc 1) fields required Extremely High Frequency/Advanced Extremely High Frequency (EHF/AEHF) capabilities and replaces antiquated, 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. Global ASNT Inc 1 system met Full Operational Capability in January 2026. RDT&E funding in FY27 enables interoperability with the ESS satellite constellations. Global ASNT Increment 2 (Inc 2) Block 1 delivers a replacement Aircrew Alerting System (AAS) consisting of personal and general area alerting as well as Ultra High Frequency (UHF) line of sight (LOS) voice communications to bomber and tanker aircraft. Increment 2 replaces aging legacy Electromagnetic Pulse Hardened Dispersal Communication (EHDC) and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. Global ASNT Increment 2 (Inc 2) Block 2 delivers High Frequency (HF) Beyond Line of Sight (BLOS) communications to bomber and tanker aircraft, and emerging NC3 platforms. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0303131F I Minimum Essential Emergency Communications Network (MEECN)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	25.500	99.599	0.000	0.000	0.000
Current President's Budget	24.763	98.548	254.837	0.000	254.837
Total Adjustments	-0.737	-1.051	254.837	0.000	254.837
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.737	-1.051			
• Other Adjustments	0.000	0.000	254.837	0.000	254.837
Change Summary Explanation					
FY25 (-0.737M) SBIR Base Reduction					
FY26: (-1.051M) SBIR/STTR Reduction					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 672490 / FAB-T CPT			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672490: FAB-T CPT	0.000	0.000	0.000	31.000	0.000	31.000	71.200	81.800	35.400	11.100	0.000	230.500
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Command Post Terminal (CPT) program was transferred from Space Force (Program 1203001SF / Project 672490 / Appropriation 3620 / Research, Development, Test, and Evaluation) to Air Force (Program 0303131F / Project 672490 / Appropriation 3600 / Research, Development, Test, and Evaluation), Transfer Memo.

The FAB-T CPT project replaces legacy Milstar (AFCPT) terminals and will provide Extremely High Frequency (EHF) protected high data rate communication for nuclear and conventional forces to include Presidential and National Voice Conferencing (PNVC). FAB-T CPT will provide this new, highly secure, state-of-the-art capability for Department of War (DoW) platforms to include strategic platforms and airborne/ground command posts via Advanced EHF (AEHF) and Evolved Strategic Satellite Communications (ESS) satellite constellations. FAB-T CPTs will also support the critical command and control (C2) of the AEHF and ESS satellite constellations. The Department of the Air Force (DAF) will continue development of the FAB-T CPT, performing systems engineering, architecture studies, development and operational test efforts, terminal interoperability with the full AEHF satellite constellation activities, and other program activities to meet current and future emerging Satellite Communication (SATCOM) requirements.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: FAB-T CPT Production Restart and Modification	-	0.000	31.000
Description: The FAB-T CPT program will provide EHF voice and data Military Satellite Communication (MILSATCOM) for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar and AEHF satellites.			
FY 2026 Plans: N/A			
FY 2027 Plans: This funding is for an existing contract that has been executing since 2024 with SAOC funding: UCA/ APR Restart Contract FA8735-21-D-0001, Delivery Order FA229324FB004. The requirement is a continuation of the SAOC effort to restart the FAB-T production line. Activities will also include mitigations to address Diminishing Manufacturing Sources and Material Shortages associated with the production restart of terminals.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) 672490 / <i>FAB-T CPT</i>			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027
Increase due to FY27 Transfer from USSF to USAF											
Accomplishments/Planned Programs Subtotals									-	0.000	31.000
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 05 0303131F: <i>Minimum Essential Emergency Communications Network (MEECN)</i>	-	-	9.688	-	9.688	4.014	4.086	4.175	-	0.000	21.963
Remarks											
FY 2027 transfer Space Force (Program 1203001SF / Project 673040 / Appropriation 3620 / Research, Development, Test, and Evaluation) to Air Force (Program 0303131F, Project 673040 / Appropriation 3600 / Research, Development, Test, and Evaluation). Funding is for an existing contract that has been executing since 2024 with SAOC funding: UCA/ APR Restart contract #: FA229324FB004. The requirement is a continuation of the SAOC effort to restart the FAB-T.											
D. Acquisition Strategy											
Funding is for an existing contract that has been executing since 2024 with SAOC funding: UCA/ APR Restart Contract FA8735-21-D-0001, Delivery Order FA229324FB004. The requirement is a continuation of the SAOC effort to restart the FAB-T production line. Activities will also include mitigations to address Diminishing Manufacturing Sources and Material Shortages associated with the production restart of terminals.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>						Project (Number/Name) 672490 / <i>FAB-T CPT</i>			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T CPT Prime Contract	Various	Raytheon : Marlboro, MA	-	-		-		31.000	Oct 2026	-		31.000	Continuing	Continuing	-
FAB-T CPT Technical Mission Analysis	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	-		-		31.000		-		31.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		31.000		-		31.000	Continuing	Continuing	N/A
Remarks Prior Years funding, FY 2016/FY 2017 95.229M was executed in Program Element (PE) 0303001F. Prior to FY 2016, 180.602M was executed in PE 0303601F.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)		Project (Number/Name) 672490 / FAB-T CPT	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SAOC																												
Production Line Restart																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 672490 / FAB-T CPT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SAOC				
Production Line Restart	2	2027	4	2030

Note
Activities will also include mitigations to address Diminishing Manufacturing Sources and Material Shortages associated with the production restart of terminals.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 672832 / MEECN System Improvements			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672832: MEECN System Improvements	0.000	1.073	1.096	0.008	0.000	0.008	0.008	0.008	0.008	0.008	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

MSI is a long-range planning effort with users [Air Force Global Strike Command (AFGSC), Air Combat Command (ACC), United States Space Force (USSF), Air Mobility Command (AMC), Air Force Special Operations Command (AFSOC), US Strategic Command (USSTRATCOM), and the US Navy] to monitor and assess the performance of existing NC3 systems and develop recommendations for strategic and tactical architecture upgrades, requirements, and issues based on available and emerging technologies. MSI is used to conduct technology testing; model performance; analyze technology strategies; conduct requirement trade space analyses, technology maturation and risk reduction efforts, mission analysis; and build technology Roadmaps as proactive support to the NC3 community. MSI performs analysis, integration, and testing activities for the NC3 Weapon System.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: MEECN System Improvements	1.073	1.096	0.008
Description: MSI is used to conduct technology testing, model performance, analyze technology strategies, conduct requirement trade space analyses, technology maturation, risk reduction efforts mission analyses, and build technology Roadmaps as proactive support to the NC3 community.			
FY 2026 Plans: - Complete the annual 2025 MSI Summary Report - Conduct analysis of the performance/condition of prototype Very Low Frequency (VLF) configuration on KC-46 tankers - Conduct analysis of the performance/condition of prototype Very Low Frequency (VLF) configuration on KC-135 tankers - Conduct analysis and identify means of improving transmission and receipt of Very Low Frequency (VLF) messages in NC3 exercise events - Conduct analysis and identify potential Very Low Frequency (VLF) transmit and receive capabilities of existing antennas by modifying existing aircraft and ICBM installation designs and leveraging novel electromagnetic effects to enhance performance of existing antennas - Conduct studies, analysis, proof-of-concept, and prototyping for the assessment and modernization of the AF NC3 Weapon System AN/USQ-225; out-brief results during technical exchanges			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 672832 / <i>MEECN System Improvements</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Conduct studies, analyses, and evaluations of NC3 capabilities across the Radio Frequency (RF) spectrum FY 2027 Plans: - Complete the annual 2026 MSI Summary Report - Finalize analysis of the performance/condition of prototype Very Low Frequency (VLF) configuration on KC-46 tankers - Finalize analysis of the performance/condition of prototype Very Low Frequency (VLF) configuration on KC-135 tankers FY 2026 to FY 2027 Increase/Decrease Statement: Decrease due to reduction of studies and Roll On/Roll Off (RORO) Very Low Frequency (VLF) capability development moving out of the MEECN Program Element into KC-135 Program 0401218F			
Accomplishments/Planned Programs Subtotals		1.073	1.096
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
MSI will continue to evaluate the performance of the NC3 Weapon System by assessing performance and technology areas for improvement with the assistance of expert technical support from Federally Funded Research and Development Centers (FFRDCs) and University Affiliated Research Centers (UARCs) [e.g. MITRE, Massachusetts Institute of Technology (MIT) Lincoln Labs, and Johns Hopkins University/Applied Physics Laboratory (JHU/APL), etc.]. It may also include competitively awarded technical support contracts with industry and/or academia.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 672832 / MEECN System Improvements					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MSI NC3 Roadmap / NC3 Connectivity Performances Update Cybersecurity Evaluation	Various	JHU/APL - Laurel, MD : Laurel, MD	-	0.806	Jan 2025	0.824	Mar 2026	0.008	Mar 2027	-		0.008	0.000	1.638	0.000
Subtotal			-	0.806		0.824		0.008		-		0.008	0.000	1.638	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Support	C/CPFF	Various : Various	-	0.267	Nov 2024	0.272	Oct 2025	-		-		-	0.000	0.539	-
Subtotal			-	0.267		0.272		-		-		-	0.000	0.539	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.073		1.096		0.008		-		0.008	0.000	2.177	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)					672832 / MEECN System Improvements									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MEECN System Improvement																												
KC-46 Tanker Roll-On Roll-Off (RORO) Study																												
KC-135 Tanker Roll-On Roll-Off (RORO) Study																												
B-2 Antenna Rx Characterization																												
CVRi1 Cyber Security Assessments																												
MSI Summary Report - FY25																												
MSI Summary Report - FY26																												
CVR Interference Mitigation - Performance Improvement of Probability of Correct Message Receipt (PCMR)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 672832 / <i>MEECN System Improvements</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MEECN System Improvement</i>				
KC-46 Tanker Roll-On Roll-Off (RORO) Study	1	2025	1	2027
KC-135 Tanker Roll-On Roll-Off (RORO) Study	1	2025	1	2027
B-2 Antenna Rx Characterization	1	2025	1	2027
CVRI1 Cyber Security Assessments	1	2025	4	2025
MSI Summary Report - FY25	1	2026	2	2026
MSI Summary Report - FY26	1	2027	2	2027
CVR Interference Mitigation - Performance Improvement of Probability of Correct Message Receipt (PCMR)	3	2025	3	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 672835 / Common VLF/LF Receiver Inc 2			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672835: Common VLF/LF Receiver Inc 2	0.000	12.267	17.750	47.653	0.000	47.653	60.257	12.929	81.074	54.739	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Common Very Low Frequency/Low Frequency (VLF/LF) Receiver (CVR) Increment 2 (CVRi2) Program will develop and produce a modular open systems approach (MOSA), Cryptographic Modernization 2.0 (CM-2), New VLF Waveform (WF) compliant advanced VLF/LF receiver for all ground and airborne NC3 platforms. As the USAF VLF receiver integrator, the VLF Enterprise Program Office (VLF EPO) will continue to be responsible for VLF receiver sustainment, to include configuration management of the CVR Increment 1 (CVRi1) materiel solution (KGR-72) and sustainment of legacy receivers, while also providing management support to the B-52 VLF Modernization Program for its procurement and production of the directed VLF receiver (KGR-72). The VLF EPO will provide management and engineering support for VLF receiver requirements across legacy and emerging NC3 platforms.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: CVR Inc 2	12.267	17.750	47.653
Description: Acquisition Strategy Development, Risk Reduction, and Contract Award.			
FY 2026 Plans:			
- Completed Acquisition Strategy Panel (ASP) - Conduct CVRi2 Industry Day - Completed Market Research Report (MRR) for Materiel Leader (ML) approval - Release CVRi2 Fair Opportunity Proposal Request (FOPR) - Initiate the Fair Opportunity Selection Process			
FY 2027 Plans:			
- Award delivery order incentive contracts to two qualified vendors to begin Prime Contract development work - Hold System Requirements Review (SRR) and System Functional Review (SFR)			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 672835 / Common VLF/LF Receiver Inc 2			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027
Funding increased for continuation of two prime contractors to design and develop upgraded modular MOSA, CM2, and NWF compliant, advanced, adaptable VLF/LF receiver to meet user requirements.											
Accomplishments/Planned Programs Subtotals									12.267	17.750	47.653
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 0303131F: CVR i2	0.000	0.023	0.018	-	0.018	0.009	60.179	19.588	19.980	Continuing	Continuing
Remarks											
N/A											
D. Acquisition Strategy											
The Program transitioned from a Rapid Prototyping MTA pathway to a Major Capability Acquisition (MCA) pathway. As the Milestone Decision Authority (MDA), the PEO approved the new acquisition strategy at the Acquisition Strategy Panel (ASP) on November 25, 2025. The acquisition strategy will utilize a two vendor delivery order that relies heavily on the implementation of Digital Materiel Management (DMM) to streamline the development process, allowing for a production competition that delivers an advanced VLF receiver capability to the warfighter.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)					Project (Number/Name) 672835 / Common VLF/LF Receiver Inc 2				
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prime Contracts	C/CPFF	Various : TBD	-	1.024	Nov 2024	8.354	Nov 2026	34.518	Jan 2027	-		34.518	Continuing	Continuing	-
Prime Contract ECOs	Various	Various : TBD	-	0.000	May 2025	0.000	May 2026	0.000	May 2027	-		0.000	Continuing	Continuing	-
MITRE (DMS)	Various	Cost : Bedford, MA	-	3.403	Nov 2024	3.280	Oct 2025	2.337	Oct 2026	-		2.337	Continuing	Continuing	-
GFE	Various	Various : Various	-	0.005	Nov 2024	0.000	Nov 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
NSA Certification	Various	Various : Fort Meade, MD	-	0.156	May 2025	0.130	Mar 2026	0.208	Mar 2027	-		0.208	Continuing	Continuing	-
Subtotal			-	4.588		11.764		37.063		-		37.063	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	Various	Various : Hanscom, MA	-	0.000	Sep 2025	0.394	Sep 2026	0.788	Sep 2027	-		0.788	Continuing	Continuing	-
Subtotal			-	0.000		0.394		0.788		-		0.788	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	C/CPAF	96th Test Wing : Eglin AFB	-	0.485	Dec 2024	0.345	Jan 2026	0.503	Jan 2027	-		0.503	Continuing	Continuing	-
Subtotal			-	0.485		0.345		0.503		-		0.503	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSC (Eng/Acq Spt/Travel/IMPAC)	Various	Various : Hanscom, MA	-	3.597	Jan 2025	3.704	Jan 2026	6.574	Jan 2027	-		6.574	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 672835 / Common VLF/LF Receiver Inc 2			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MITRE (PSC)	Various	Various : Bedford, MA	-	3.597	Dec 2024	1.543	Dec 2025	2.725	Dec 2026	-		2.725	Continuing	Continuing	-
Subtotal			-	7.194		5.247		9.299		-		9.299	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	12.267		17.750		47.653		-		47.653	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>			Project (Number/Name) 672835 / <i>Common VLF/LF Receiver Inc 2</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CVR Inc. 2																												
Follow-On Acquisition Strategy Development																												
Acquisition Strategy Panel (ASP)																												
Fair Opportunity Proposal Request (FOPR) Release																												
Fair Opportunity Selection Process																												
Development Prime Contract Awards																												
System Requirements Reviews (SRRs)																												
System Functional Reviews (SFRs)																												
Preliminary Design Reviews (PDRs)																												
Critical Design Reviews (CDRs)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 672835 / <i>Common VLF/LF Receiver Inc 2</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>CVR Inc. 2</i>				
Follow-On Acquisition Strategy Development	1	2025	4	2031
Acquisition Strategy Panel (ASP)	1	2026	1	2026
Fair Opportunity Proposal Request (FOPR) Release	2	2026	2	2026
Fair Opportunity Selection Process	2	2026	4	2026
Development Prime Contract Awards	1	2027	1	2027
System Requirements Reviews (SRRs)	3	2027	3	2027
System Functional Reviews (SFRs)	3	2027	3	2027
Preliminary Design Reviews (PDRs)	2	2028	2	2028
Critical Design Reviews (CDRs)	4	2029	4	2029

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 673035 / Presidential and National Voice Conferencing			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673035: Presidential and National Voice Conferencing	0.000	0.000	0.000	0.311	0.000	0.311	0.000	0.000	0.000	0.000	0.000	0.311
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Presidential and National Voice Conferencing (PNVC) Integrator program was transferred from Space Force (Program 1203001SF / Project 673035 / Appropriation 3620 / Research, Development, Test, and Evaluation) to Air Force (Program 0303131F / Project 673035 / Appropriation 3600 / Research, Development, Test, and Evaluation), Transfer Memo.

The Presidential and National Voice Conferencing (PNVC) Integrator project is a critical element of the Nuclear Command, Control, and Communications (NC3) System. PNVC integrator replaces the Survivable Emergency Conferencing Network (SECN) capability, and will provide anti-jam, anti-scintillation, survivable, and enduring voice communications via Milstar, Advanced EHF, and ESS satellite constellations for national and strategic users. There are several components being developed, procured and updated by other organizations that must be synchronized to expeditiously field this capability. The PNVC Integrator is responsible for end-to-end integration of these components, to include requirements traceability, end-to-end system testing, configuration and checkout activities, training and technical manuals, network transition support, identification of deficiencies in overall PNVC system capability, enterprise, and life cycle support for PNVC components. The AFPEO/SP approved entry into the acquisition life-cycle as a post MS-A Acquisition Category (ACAT) III Program of Record in January 2016. In March 2019 the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on updated approved budget request.

Starting in December 2018, PNVC Integrator became responsible for the funding requests of all program elements related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661. In October 2021, PNVC completed Milestone B/C.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: PNVC Integrator	-	-	0.311
Description: PNVC is the SECN replacement capability which provides anti-jam, anti-scintillation, survivable, and endurable voice communications via Milstar, Advanced EHF, and ESS satellite constellations for national and strategic users. The PNVC capability consists of constituent programs being developed and produced by other organizations. This program will integrate, test, and support configuration of hardware from these other programs. PNVC components will be installed at ground fixed and mobile command locations as well as three aircraft platforms.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 673035 / Presidential and National Voice Conferencing				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
FY 2027 Plans: The PNVC Integrator will continue to conduct integration and checkout activities and continue to work closely with the applicable sustainment organizations. PNVC Integrator activities will include, but are not limited, to deficiency resolution, logistics and sustainment support planning, component product support, platform integration, and integration of laboratory support. FY 2026 to FY 2027 Increase/Decrease Statement: Increase accounts for transition of program from United States Space Force (USSF) to United States Air Force (USAF).												
Accomplishments/Planned Programs Subtotals										-	-	0.311
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 05 0303131F: Minimum Essential Emergency Communications Network (MEECN)	-	-	1.440	-	1.440	-	-	-	-	0.000	0.000	
Remarks												
Memo dated 18 DEC 25 codified the inter-organizational agreement for the FY27 transfer of the remaining FAB-T CPT and PNVC elements from USSF to USAF. Currently PNVC ends with transition to CCSD June 2027, with only O&M funding after that. Future efforts are under discussion, with no current acquisition strategy in place. Current planned modernization efforts to include SAOC are being funded through the platforms.												
D. Acquisition Strategy												
PNVC Acquisition Strategy: On May 15, 2015 the Deputy Secretary of Defense assigned the PNVC End-to-End Integration responsibility to the DAF; effective May 16, 2015, SAF/AQ designated the AFPEO/SP. In March 2019 the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on updated approved budget request. The PNVC End-to-End Integrator program is responsible for requirements traceability, End-to-End system testing, site configuration activities, training and technical manuals, network transition support, identifying deficiencies in the PNVC capability, and enterprise and life cycle support for all PNVC components. Starting in December 2018 PNVC Integration is responsible for all program elements' requests for funding related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661. PNVC will continue to support component fielding, conduct site integration and checkout, and prepare for and execute integrated developmental test activities in advance of the PNVC system Full Operating Capability.												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 673035 / Presidential and National Voice Conferencing

Beginning in FY2020, all PNVC funds were transferred from DISA to Project 673035, for execution.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 673035 / Presidential and National Voice Conferencing			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PNVC Prime Contract	Various	Raytheon : Various, FL	-	-		-		0.311	Oct 2026	-		0.311	Continuing	Continuing	-
Subtotal			-	-		-		0.311		-		0.311	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		0.311		-		0.311	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)					673035 / Presidential and National Voice Conferencing									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PNVC Integrator																												
Training/Installation and Checkout																												
Software Maturation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 673035 / Presidential and National Voice Conferencing	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>PNVC Integrator</i>				
Training/Installation and Checkout	1	2025	4	2027
Software Maturation	1	2025	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 673040 / Force Element Terminal			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673040: Force Element Terminal	0.000	0.000	66.742	81.264	0.000	81.264	41.600	43.200	44.900	46.700	0.000	324.406
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Force Element Terminal (FET) program is not a New Start in FY 2026. FAB-T FET was transferred from Space Force (PE 1203001SF / Project 673040 / Appropriation 3620 / Research, Development, Test, and Evaluation) to Air Force (PE 0303131F / Project 673040 / Appropriation 3600 / Research, Development, Test, and Evaluation), Transfer Memo signed 12 Nov 2024.												
The FAB-T FET program replaces the Ultra High Frequency (UHF) Milstar terminal and provides secure, protected, and survivable communications for the strategic warfighter through airborne-based Military Satellite Communication (MILSATCOM) terminals. The FAB-T FET will provide worldwide nuclear and non-nuclear, survivable, anti-jam Low Probability of Detect (LPD)/ Low Probability of Intercept (LPI) data. The FAB-T FET will be interoperable with Advanced Extremely High Frequency (AEHF), Enhanced Polar Systems - Recapitalization (EPS-R), and Evolved Strategic SATCOM (ESS) satellite constellations and will be installed on the B-52 aircraft (threshold). FAB-T FET was designated as a Middle Tier of Acquisition (MTA) in February 2019 and in January 2026 was designated as a Major Capability Acquisition (MCA) with closure of the MTA program.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: FAB-T FET									0.000	66.742	81.264	
Description: Continue development of FETs. Development activities include, but are not limited to, FAB-T FET design, development, and qualification testing.												
FY 2026 Plans: Funding is for the continued development of FETs. FAB-T FET integration and testing activities will include reliability growth testing and fabrication of test assets; prototype and test terminals will support terminal security, environmental, and functional testing, to include flight testing, and early integration efforts.												
Planning and support activities will continue, including qualification test planning, logistics support planning, risk reduction activities for development and follow-on production, technical analysis and studies, platform integration support, program office support, and mitigations for Diminishing Manufacturing Sources and Material Shortages in preparation for terminal production.												
FY 2027 Plans:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>			Project (Number/Name) 673040 / <i>Force Element Terminal</i>				
B. Accomplishments/Planned Programs (\$ in Millions) Funding is for the continued development of FETs and ESS Development. FAB-T FET integration and testing activities will include reliability growth testing and fabrication of test assets; test terminals will support terminal security, environmental, and functional testing, to include flight testing, and early integration efforts. Planning and support activities will continue, including qualification test planning, logistics support planning, risk reduction activities for development and follow-on production, technical analysis and studies, platform integration support, program office support, and mitigations for Diminishing Manufacturing Sources and Material Shortages in preparation for terminal production. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increase is based upon the planned increase of material purchases and testing as FET nears completion of development and test asset configuration activities supporting subsequent production and B-52 integration along with pulling Evolved Strategic SATCOM Activities into FY27.								FY 2025	FY 2026	FY 2027	
Accomplishments/Planned Programs Subtotals								0.000	66.742	81.264	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 CVR000: CVR (Connon ULF Receiver) Inc 2	-	0.000	0.000	-	0.000	284.381	294.815	329.560	389.711	0.000	0.000
Remarks											
D. Acquisition Strategy FAB-T FET Acquisition Strategy: Per the Acquisition Strategy Panel briefed to SAF/AQ on February 7, 2019, FAB-T FET pursued a Rapid Prototyping development Middle Tier of Acquisition approach of the National Defense Authorization Act for FY 2016. This Rapid Prototyping program enabled FAB-T FET to accelerate the nominal program development timeline in support of an accelerated USSTRATCOM-requested Initial Operating Capability. FAB-T FET awarded a development effort on January 16, 2020, to develop, build, and test prototypes and test terminals. This Rapid Prototyping effort enabled FAB-T FET to develop, install, and obtain test data from early B-52 FAB-T FET prototypes which will also have residual operations capability. The overall development effort includes system design and builds of sufficient test assets to allow for expeditious development, testing, qualification and integration support of the FAB-T FET capability. FAB-T FET will meet B-52 platform requirements to support USSTRATCOM's Strategic Nuclear Command Control and Communication (NC3) mission. On January 4, 2023, SAF/SQ approved the FAB-T FET Milestone C Acquisition Strategy which establishes the plan for the program to transition to the Major Capability Acquisition Pathway at Milestone C. On January 15, 2026, SAF/AQ approved the FAB-T FET entry in MCA pathway prior to MS B and closed the MTA program. This allows FAB-T FET to complete development/testing of the production representative unit, and to provide additional time for B-52 to identify the integration solution. Upon completion B-52 entry into MS-B, FAB-T FET will execute a stacked MS-B/C to begin Low-Rate Initial Production.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 673040 / Force Element Terminal					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET Development Contracts	Various	Raytheon : Marlborough, MA	-	0.000		51.107	Nov 2025	65.405	Nov 2026	-		65.405	Continuing	Continuing	-
FAB-T FET Technical Mission Analysis	Various	Various : Various	-	-		1.500	Dec 2025	0.813	Dec 2026	-		0.813	Continuing	Continuing	-
FAB-T FET Enterprise SE&I	Various	Various : Various	-	-		0.108	Feb 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	0.000		52.715		66.218		-		66.218	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET Test & Evaluation and Assets	Various	Various : Various	-	-		8.670	Dec 2025	9.169	Dec 2026	-		9.169	Continuing	Continuing	-
Subtotal			-	-		8.670		9.169		-		9.169	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET FFRDC	Various	Various : Various	-	-		2.265	Dec 2025	2.355	Dec 2026	-		2.355	Continuing	Continuing	-
FAB-T FET A&AS	Various	Various : Various	-	-		2.000	Nov 2025	2.382	Nov 2026	-		2.382	Continuing	Continuing	-
FAB-T FET Other Support	Various	Various : Various	-	-		1.092	Jan 2026	1.140	Jan 2027	-		1.140	Continuing	Continuing	-
Subtotal			-	-		5.357		5.877		-		5.877	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000		66.742		81.264		-		81.264	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 673040 / Force Element Terminal			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FET																												
FAB-T FET Development																												
FAB-T FET Test Asset Testing																												
FAB-T Force Element Terminal Production																												
FAB-T ESS Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 673040 / Force Element Terminal	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>FET</i>				
FAB-T FET Development	1	2025	4	2028
FAB-T FET Test Asset Testing	1	2026	4	2028
FAB-T Force Element Terminal Production	2	2027	4	2031
FAB-T ESS Development	2	2027	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) 673041 / <i>ICBM MEECN Terminals (IMT)</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673041: <i>ICBM MEECN Terminals (IMT)</i>	0.000	0.000	0.000	15.800	0.000	15.800	44.800	55.200	96.700	124.200	0.000	336.700
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0303131F, project 673041, ICBM MEECN Terminal (IMT), is a new start.

A. Mission Description and Budget Item Justification

ICBM MEECN Terminal (IMT) will provide resilient Nuclear Command, Control, and Communications capabilities for the Intercontinental Ballistic Missile (ICBM) Forces. IMT will deliver an integrated NC3 suite which includes Extremely High Frequency (EHF) capabilities and an open architecture-based framework. This framework will enable faster and extensible capabilities integration and upgrades for other communication pathways. IMT will integrate the Common Very Low Frequency (VLF) Receiver (CVR). For ICBM risk reduction, IMT will prepare for integration with ICBM weapon systems.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: ICBM MEECN Terminal (IMT)	-	0.000	15.800
Description: ICBM MEECN Terminal (IMT) will provide resilient Nuclear Command, Control, and Communications capabilities for the Intercontinental Ballistic Missile (ICBM) Forces. IMT will deliver an integrated NC3 suite which includes Extremely High Frequency (EHF) capabilities and an open architecture-based framework. This framework will enable faster and extensible capabilities integration and upgrades for other communication pathways. IMT will integrate the Common Very Low Frequency (VLF) Receiver (CVR). For ICBM risk reduction, IMT will prepare for integration with ICBM weapon systems.			
FY 2026 Plans: N/A			
FY 2027 Plans: Work to be accomplished during the next FY includes, but is not limited to, standing up the program office to support the initial development activities of the IMT program, develop the acquisition and contract strategy, assist AFGSC in requirements development, conduct market research and award studies to evaluate industry capabilities and work with other DOW Services			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 673041 / <i>ICBM MEECN Terminals (IMT)</i>		
B. Accomplishments/Planned Programs (\$ in Millions) to evaluate advancement in technology which could help decrease the length of the technology maturation, integration, test, and other risk reduction activities. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase requirement from \$0.000M in FY26 to \$15.800M in FY27 to facilitate the start of IMT development.		FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals		-	0.000	15.800
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Stand-up the Government program office, support AFGSC requirements development and alternatives analysis, conduct market research and studies to inform the contract and acquisition strategy. Conduct a initial development effort with subsequent capability upgrades as requirements are further defined. Support integration planning with ICBM Weapon Systems as required.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 673041 / ICBM MEECN Terminals (IMT)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Not specified.	C/CPAF	TBD : TBD, MA	-	-		-		15.800		-		15.800	Continuing	Continuing	-
Subtotal			-	-		-		15.800		-		15.800	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		15.800		-		15.800	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 673041 / ICBM MEECN Terminals (IMT)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ICBM MEECN Terminals (IMT)																												
IMT Study																												
System Design																												
Engineering and Manufacturing Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 673041 / ICBM MEECN Terminals (IMT)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ICBM MEECN Terminals (IMT)				
IMT Study	2	2027	4	2028
System Design	3	2028	2	2030
Engineering and Manufacturing Development	2	2030	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 674609 / Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674609: Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)	0.000	0.000	0.000	11.372	0.000	11.372	24.000	25.000	18.000	0.000	0.000	78.372
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0303131F, project 674609, MMP SLEP, is a new start.

A. Mission Description and Budget Item Justification

The Minuteman Minimum Essential Emergency Communication Network (MEECN) Program (MMP) Service Life Extension Program (SLEP) will enable the legacy MMP System that is beyond end-of-life to continue to provide Intercontinental Ballistic Missile (ICBM) Forces with a survivable link for reception of Emergency Action Messages (EAMs) from the President and Secretary of War (SECWAR). MMP is a Command and Control (C2) system directly supporting the Chairman of the Joint Chiefs of Staff in the National Command Center and the Strategic Nuclear Command Centers. MMP provides super high-frequency (SHF) down-link/extremely high-frequency (EHF) up-link and very low-frequency (VLF)/low-frequency (LF) messaging support for Minuteman III ICBM Launch Control Centers (LCCs).

The MMP SLEP is needed to support the Minuteman III weapon system, beyond its expected service life of 2030. The significant delay to the Sentinel requires life extension program of the current Minuteman III system, and subsystems that include MMP. Diminishing Manufacturing Sources and Material Shortages (DMSMS) have resulted in spare parts being in short supply. Without a SLEP, access to MMP spare parts will become increasing difficult, resulting in extended system downtime and high repair costs. The MMP operational availability will continue to decrease, and future modifications will not be addressed creating a significant gap in capability, further reducing our nation's nuclear deterrence.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: MMP SLEP	-	0.000	11.372
Description: Modernize existing legacy hardware and software for strategic EHF and VLF communications.			
FY 2026 Plans: N/A			
FY 2027 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 674609 / <i>Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Continue further development with Prime Contractor - Hold System Requirements Review (SRR) and System Functional Review (SFR) - Conduct Preliminary Design Review (PDR) - Conduct analysis to design VLF receiver for new waveform - Conduct analysis to integrate new VLF receiver waveform with existing hardware/software - Conduct prototyping of new VLF receiver waveform - Conduct integration testing with existing system - Conduct EHF software architecture maintenance to integrate future ESS <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> MMP SLEP is an FY27 New Start.			
Accomplishments/Planned Programs Subtotals	-	0.000	11.372

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 05 0303131F: <i>Minimum Essential Emergency Communications Network (MEECN)</i>	0.000	0.000	16.000	-	16.000	16.000	16.000	16.000	15.000	0.000	0.000

Remarks

D. Acquisition Strategy

Through AFNWC/PK (contracting) MMP SLEP will add a task order to the current Advanced Extremely High Frequency (AEHF) Indefinite Delivery Indefinite Quantity (IDIQ) contract utilizing Collins Raytheon who currently manages MMP sustainment. Collins/Raytheon are the MMP Source Matter Experts (SMEs) and are currently the only contractor with the MMP expertise required to execute the SLEP. There will also be an Organic component of SLEP utilizing the Naval Intelligence Warfare Center (NIWC) and their resources for Very Low Frequency (VLF) Modification Development and Procurement. This plan will provide an expedient vehicle to implement the SLEP. Diminishing Manufacturing Sources and Material Shortage (DMSMS) risk reduction efforts with Operator Processing Units (OPU) and Solid-State Amplifier (SSA) utilizing CAM O&M have been accomplished allowing these requirements to proceed directly to procurement.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 674609 / Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
VLF Modernization	MIPR	Naval Intel Warfare Cente : San Diego, CA	-	-		-		3.000	Mar 2027	-		3.000	Continuing	Continuing	-		
EHF Software Modification	SS/CPAF	Collins Raytheon : Marlboro, MA	-	-		-		8.000	Mar 2027	-		8.000	Continuing	Continuing	-		
Subtotal			-	-		-		11.000		-		11.000	Continuing	Continuing	N/A		
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
A&AS	C/CPAF	Not specified. : TBD	-	-		-		0.372	Apr 2027	-		0.372	Continuing	Continuing	-		
Subtotal			-	-		-		0.372		-		0.372	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	-		-		11.372		-		11.372	Continuing	Continuing	N/A		
Remarks																	

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 674609 / Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
VLF Modification Development																												
SRR/SFR																												
PDR																												
CDR																												
Prototype																												
Hardness Testing																												
EHF Software Development																												
EHF Software Baseline Update																												
ESS Software Update																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 674609 / <i>Minuteman MEECN Program - Service Life Extension Program (MMP-SLEP)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>VLF Modification Development</i>				
SRR/SFR	3	2027	4	2027
PDR	4	2027	1	2028
CDR	2	2028	3	2028
Prototype	3	2028	1	2029
Hardness Testing	1	2029	3	2029
<i>EHF Software Development</i>				
EHF Software Baseline Update	2	2027	4	2029
ESS Software Update	1	2028	4	2030

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676029 / Global Aircrew Strategic Network Terminal			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676029: Global Aircrew Strategic Network Terminal	0.000	0.000	0.000	18.018	0.000	18.018	15.959	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0303131F, project 676029, Global ASNT Inc 1 Modernization, is a new start.

A. Mission Description and Budget Item Justification

Global Aircrew Strategic Network Terminal Increment 1 (Global ASNT Inc 1) system replaces inadequate, unsustainable strategic communications equipment at bomber and tanker Wing Command Posts (WCPs), Munitions Support Squadrons (MUNSS), and Mobile Support Teams (MSTs). The system supports Nuclear Response CONOPS to produce operational outcomes supporting Global Force Management, Global Defense, Information Transport, Information Assurance, and Space Force operations. Global ASNT Inc 1 systems provide 24 hours, 7 days per week survivable, redundant communication links for the Command and Control of Nuclear Task Forces (NTF) by the President through the National Military Command System, with advice from the Secretary of War, Combatant Commanders, and associated senior leadership.

To ensure interoperability with the Evolved Strategic Satellite Communication system, the Global ASNT Inc 1 system needs to modernize its hardware and software suite to enable continued protected survivable communications services with high availability receipt and relay of Emergency Action Messages at United States Air Force NTF, WCPs, MUNSS, and MST. Additionally, the Global ASNT Inc 1 system must continue to operate and survive during all phases of chemical, biological, and radiological conflicts or incidents.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Global ASNT Inc 1 Modernization	0.000	-	18.018
Description: Global ASNT Inc 1 Evolved Strategic SATCOM (ESS) and Enterprise Terminal Crypto (ETC) Development and Integration			
FY 2027 Plans: - Release ESS Software Development, Integration & Test Request for Proposal (RFP) - Begin NSA Certification efforts			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676029 / Global Aircrew Strategic Network Terminal				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
- Award ESS Software Development, Integration & Test Contract												
FY 2026 to FY 2027 Increase/Decrease Statement: Increase for Evolved Strategic SATCOM (ESS) Integration efforts												
Accomplishments/Planned Programs Subtotals										0.000	-	18.018
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 PE 0303131F: Global ASNT Inc. 1 (834210)	39.530	12.746	60.310	-	60.310	0.518	1.381	2.147	2.190	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
The Global ASNT Inc 1 system achieved Full Operational Capability (FOC) in Q2 FY2026. A forthcoming Air Force Form 1067, expected for approval in Q4 FY2026, will establish new requirements to integrate the Evolved Strategic SATCOM (ESS) capability.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676029 / Global Aircrew Strategic Network Terminal					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Global ASNT Inc 1 Modernization	SS/TBD	RTX : TBD	-	-		-		12.115	Jun 2027	-		12.115	Continuing	Continuing	-
Subtotal			-	-		-		12.115		-		12.115	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Global ASNT Inc 1 - NSA	MIPR	NSA, Maryland : MD	-	-		-		0.200	Jan 2027	-		0.200	Continuing	Continuing	-
Subtotal			-	-		-		0.200		-		0.200	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Global ASNT Inc 1 - PSC (Eng/Acq Support, Travel)	Various	Various : MA	-	-		-		3.969	Oct 2026	-		3.969	Continuing	Continuing	-
Global ASNT Inc 1 - PSC (MITRE)	SS/CPFF	MITRE : Bedford, MA	-	-		-		1.734	Oct 2026	-		1.734	Continuing	Continuing	-
Subtotal			-	-		-		5.703		-		5.703	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		18.018		-		18.018	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)						Project (Number/Name) 676029 / Global Aircrew Strategic Network Terminal			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Global ASNT Inc 1 ESS Development																												
Release ESS Software Development, Integration & Test Request for Proposal (RFP)																												
NSA Certification																												
ESS Software Development, Integration & Test																												
Government Developmental Test / Op Test & Certifications																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) 676029 / Global Aircrew Strategic Network Terminal	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Global ASNT Inc 1 ESS Development				
Release ESS Software Development, Integration & Test Request for Proposal (RFP)	1	2027	1	2027
NSA Certification	3	2027	2	2030
ESS Software Development, Integration & Test	3	2027	2	2029
Government Developmental Test / Op Test & Certifications	3	2030	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676030 / Global ASNT Inc 2			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676030: Global ASNT Inc 2	0.000	11.423	12.960	49.411	0.000	49.411	110.661	184.794	137.863	60.079	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Global Aircrew Strategic Network Terminal Increment 2 (Inc 2) replaces aging legacy strategic communications equipment at bomber and tanker Wing Command Posts (WCPs), Nuclear Task Forces, Munitions Support Squadrons (MUNSS), and Mobile Support Teams (MSTs). Global ASNT Inc 2 is a ground-based system that will provide survivable, secure communication paths to disseminate Emergency Action Messages (EAMs) to bomber and tanker aircrews.												
Global ASNT Inc 2 is being fielded in 2 separate capability incremental blocks; both blocks are High-Altitude Electro-Magnetic Pulse (HEMP) and Radiation Hazard (RADHAZ) protected.												
Global ASNT Inc 2 Block 1 delivers a replacement Aircrew Alerting System (AAS) consisting of Ultra High Frequency (UHF) personal and general alerting equipment replacing Electromagnetic Pulse Hardened Dispersal Communication (EHDC) and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems.												
Global ASNT Inc 2 Block 2 provides High Frequency (HF) Beyond Line of Sight (BLOS) capabilities for fixed ground and transportable units to communicate with bomber and tanker aircraft, and emerging NC3 platforms out of range of Ultra High Frequency (UHF) Line of Sight (LOS). Air Force Global Strike Command approved a requirements document in December 2023 for Global ASNT Inc 2 Block 2.												
This program element may include necessary revised Security Classification Guide (SCG) implementation activities.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Global ASNT Inc 2									11.423	12.960	49.411	
Description: Major Capability Acquisition												
FY 2026 Plans:												
Block 1: Redesign and redevelopment												
Block 1: Regression testing												
Block 1: Vibration testing												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) 676030 / <i>Global ASNT Inc 2</i>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Block 2: Work Acquisition Strategy trade studies and analyses Block 2: Conduct Acquisition Strategy Panel											
FY 2027 Plans:											
Block 1: Vibration testing (Continued)											
Block 1: Functional Configuration Audit/Physical Configuration Audit											
Block 2: Prepare and release Request for Proposal											
Block 2: Conduct Technology Maturation and Risk Reduction activities											
Block 2: Develop initial prototype											
FY 2026 to FY 2027 Increase/Decrease Statement:											
Funding increase due to Global ASNT Inc 2 Block 2 activities											
Accomplishments/Planned Programs Subtotals							11.423	12.960	49.411		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 05 0303131F:	33.909	38.717	92.064	-	92.064	91.674	76.800	89.100	67.500	Continuing	Continuing
<i>Minimum Essential Emergency Communications Network (MEECN)</i>											
Remarks											
D. Acquisition Strategy											
Global ASNT Inc 2 Block 1 leveraged the Rapid Prototyping Mid Tier Acquisition (MTA) pathway for initial development through Q2 FY2026 then transitioned to an MCA for further HEMP development and subsequent production and fielding of HEMP-hardened GANSTi2 systems. The PAE approved Acquisition Strategy Panel December 2025.											
Global ASNT Inc 2 Block 2 is planning to utilize the Major Capability Acquisition (MCA) pathway. The Acquisition Strategy Panel is forecasted for Q3 FY2026.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676030 / Global ASNT Inc 2					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Product Development	C/CPIF	General Dynamics : Taunton, MA	-	9.242	Jan 2025	7.011	Mar 2026	9.280	Jan 2027	-		9.280	Continuing	Continuing	-
Block 2 Product Development	C/TBD	Not specified. : TBD	-	-		-		25.436	Jan 2027	-		25.436	Continuing	Continuing	-
Subtotal			-	9.242		7.011		34.716		-		34.716	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	Various	Not specified. : TBD	-	-		0.296	Jun 2026	0.592	Oct 2026	-		0.592	Continuing	Continuing	-
Information Assurance	SS/CPFF	Booz Allen Hamilton : Bedford, MA	-	0.200	Jul 2025	0.200	Jul 2026	0.397	Jul 2027	-		0.397	Continuing	Continuing	-
Subtotal			-	0.200		0.496		0.989		-		0.989	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Planning	PO	96 TW : Eglin AFB, FL	-	0.981	Nov 2024	0.452	Nov 2025	1.827	Nov 2026	-		1.827	Continuing	Continuing	-
Subtotal			-	0.981		0.452		1.827		-		1.827	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSC - (Eng/Acq Support, Travel)	C/CPFF	Various : Bedford, MA	-	0.500	Oct 2024	0.600	Oct 2025	5.157	Oct 2026	-		5.157	Continuing	Continuing	-
PSC-MITRE	C/CPFF	Not specified. : TBD	-	0.500	Oct 2024	4.401	Oct 2025	6.722	Oct 2026	-		6.722	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303131F / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) 676030 / Global ASNT Inc 2					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	1.000		5.001		11.879		-		11.879	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	11.423		12.960		49.411		-		49.411	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>			Project (Number/Name) 676030 / <i>Global ASNT Inc 2</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Global ASNT Inc 2 Block 1																												
RDT&E (Non-HEMP)																												
RDT&E (HEMP)																												
Production (Non-HEMP)																												
Production (HEMP):																												
RAA IOC (Non-HEMP)																												
RAA IOC (HEMP)																												
IOC (HEMP)																												
Global ASNT Inc 2 Block 2																												
Acquisition Strategy Panel																												
Release for Proposal																												
Conduct Technology Maturation and Risk Reduction																												
Develop Prototype																												
Prime Development Contract																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303131F / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) 676030 / <i>Global ASNT Inc 2</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Global ASNT Inc 2 Block 1</i>				
RDT&E (Non-HEMP)	1	2025	4	2026
RDT&E (HEMP)	1	2025	4	2028
Production (Non-HEMP)	1	2025	4	2026
Production (HEMP):	1	2027	2	2031
RAA IOC (Non-HEMP)	3	2025	3	2025
RAA IOC (HEMP)	1	2028	4	2028
IOC (HEMP)	4	2028	4	2028
<i>Global ASNT Inc 2 Block 2</i>				
Acquisition Strategy Panel	3	2026	3	2026
Release for Proposal	1	2027	1	2027
Conduct Technology Maturation and Risk Reduction	1	2027	1	2028
Develop Prototype	1	2027	4	2027
Prime Development Contract	1	2028	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303133F I High Frequency Radio Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	8.423	19.709	33.215	0.000	33.215	17.929	18.711	18.858	19.240	0.000	136.085
675046: Systems Engineering & Integration	0.000	8.423	19.709	33.215	0.000	33.215	17.929	18.711	18.858	19.240	0.000	136.085

A. Mission Description and Budget Item Justification

This program element funds the Airborne High Frequency Radio Modernization (AHFRM) program to address the obsolescence of the legacy AN/ARC-190 High Frequency (HF) radio system, which is currently installed on over a thousand aircraft. Production of the AN/ARC-190 HF radio ceased in 2018, and the system is becoming unsustainable due to a diminishing supply of spare parts, with assets falling below supply chain thresholds by late 2027. The program is developing a replacement modern, software-defined radio, designated as the AN/ARC-260. This development ensures the continuity of high-frequency communication capabilities for a wide range of mission-essential aircraft without requiring costly airframe modifications.

This modernization is mission critical because HF radio capability provides resilient and survivable communications, especially in environments where satellite communications are denied, contested, or unavailable. It is an essential alternative for beyond-line-of-sight command and control (C2), enabling strategic communication, the transmission of critical force direction messaging, and routine Air Traffic Control (ATC) during long-range and oversea flights. Federal Aviation Administration (FAA) regulations also mandate HF radio capability for aircraft to fly outside the continental United States. Failure to modernize these radios would result in the loss of critical C2 pathways and could lead to the grounding of aircraft, severely impacting mission readiness and operational availability.

The AHFRM program directly supports a diverse fleet of approximately 1,300 aircraft within the U.S. Air Force, Navy, and Coast Guard. This includes strategic bombers like the B-1 and B-52; mobility platforms such as the C-5, C-17, C-130, and KC-135; and various special mission aircraft. The new AN/ARC-260 system introduces significant technological advancements, including digital voice, high-speed data and text messaging, and an open architecture that allows for rapid software upgrades and the insertion of new capabilities. This modular and expandable design ensures the system can adapt to future requirements, such as advanced waveforms and enhanced security, guaranteeing long-term sustainability and interoperability across joint forces.

While the core development of the AN/ARC-260 radio is set to conclude in FY 2026, new operational requirements were levied in January 2023, initiating a phased capability enhancement plan that began with the development of a modern antenna coupler and is scheduled to continue in FY 2027 with modifications of the radio. These enhancements are structured into four distinct increments:

- Increment 1 will focus on software and firmware upgrades to improve data handling and messaging without hardware modifications.
- Increment 2 involves the development of a modernized, wideband digital coupler for enhanced Digital HF capability.
- Increment 3 will introduce more substantial hardware and software changes to add wider bandwidth and new surveillance capabilities.
- Increment 4 will implement high-assurance multi-level security architecture enhancements.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303133F I High Frequency Radio Systems				
The initial phase covering Increments 1 and 2 is scheduled to commence in FY 2027, with the more complex hardware-centric upgrades of Increments 3 and 4 planned to begin in FY 2028.						
FY 2027 BUDGET JUSTIFICATION:						
In FY 2027, the AHFRM program will shift its focus to the next phase of capability enhancement, funded to pursue two primary efforts. The first is the development of a critical software update to integrate new digital HF capabilities, corresponding to the planned Increment 1 enhancements. The second major effort will be the development of a new digital antenna coupler, which aligns with Increment 2.						
Notably, the significant increase in program funding for FY 2027 is directly allocated to the development of Increment 1, a comprehensive software and firmware effort projected to last a year and a half, which is required for the successful integration of the new digital coupler.						
The development of the digital coupler is a key priority for FY 2027, aimed at addressing the significant supportability challenges posed by the current, obsolete analog coupler. To achieve this, the program will initiate requirements refinement and validation, conduct prototyping, and begin on-aircraft integration testing for the new digital design. This effort is essential not only to modernize the antenna interface but also to ensure the continued availability and reliability of beyond-line-of-sight HF communications for the fleet, mitigating risks associated with the aging and unsustainable legacy hardware.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		8.667	19.955	0.000	0.000	0.000
Current President's Budget		8.423	19.709	33.215	0.000	33.215
Total Adjustments		-0.244	-0.246	33.215	0.000	33.215
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	-0.246			
• Other Adjustments		-0.244	0.000	33.215	0.000	33.215

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0303133F I High Frequency Radio Systems	
Change Summary Explanation The FY 2025 funding request was reduced by \$0.244 million to account for the availability of prior year execution balances. The FY 2026 funding request was reduced by \$0.246 million due to Sec 8151 Small Business Innovation Research (SBIR) transfers. The FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems				Project (Number/Name) 675046 / Systems Engineering & Integration			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675046: Systems Engineering & Integration	0.000	8.423	19.709	33.215	0.000	33.215	17.929	18.711	18.858	19.240	0.000	136.085
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element funds the Airborne High Frequency Radio Modernization (AHFRM) program to address the obsolescence of the legacy AN/ARC-190 High Frequency (HF) radio system, which is currently installed on over a thousand aircraft. Production of the AN/ARC-190 HF radio ceased in 2018, and the system is becoming unsustainable due to a diminishing supply of spare parts, with assets falling below supply chain thresholds by late 2027. The program is developing a replacement modern, software-defined radio, designated as the AN/ARC-260. This development ensures the continuity of high-frequency communication capabilities for a wide range of mission-essential aircraft without requiring costly airframe modifications.

This modernization is mission critical because HF radio capability provides resilient and survivable communications, especially in environments where satellite communications are denied, contested, or unavailable. It is an essential alternative for beyond-line-of-sight command and control (C2), enabling strategic communication, the transmission of critical force direction messaging, and routine Air Traffic Control (ATC) during long-range and oversea flights. Federal Aviation Administration (FAA) regulations also mandate HF radio capability for aircraft to fly outside the continental United States. Failure to modernize these radios would result in the loss of critical C2 pathways and could lead to the grounding of aircraft, severely impacting mission readiness and operational availability.

The AHFRM program directly supports a diverse fleet of approximately 1,300 aircraft within the U.S. Air Force, Navy, and Coast Guard. This includes strategic bombers like the B-1 and B-52; mobility platforms such as the C-5, C-17, C-130, and KC-135; and various special mission aircraft. The new AN/ARC-260 system introduces significant technological advancements, including digital voice, high-speed data and text messaging, and an open architecture that allows for rapid software upgrades and the insertion of new capabilities. This modular and expandable design ensures the system can adapt to future requirements, such as advanced waveforms and enhanced security, guaranteeing long-term sustainability and interoperability across joint forces.

While the core development of the AN/ARC-260 radio is set to conclude in FY 2026, new operational requirements were levied in January 2023, initiating a phased capability enhancement plan that began with the development of a modern antenna coupler and is scheduled to continue in FY 2027 with modifications of the radio. These enhancements are structured into four distinct increments:

- Increment 1 will focus on software and firmware upgrades to improve data handling and messaging without hardware modifications.
- Increment 2 involves the development of a modernized, wideband digital coupler for enhanced Digital HF capability.
- Increment 3 will introduce more substantial hardware and software changes to add wider bandwidth and new surveillance capabilities.
- Increment 4 will implement high-assurance multi-level security architecture enhancements.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems	Project (Number/Name) 675046 / Systems Engineering & Integration	
The initial phase covering Increments 1 and 2 is scheduled to commence in FY 2027, with the more complex hardware-centric upgrades of Increments 3 and 4 planned to begin in FY 2028.			
FY 2027 BUDGET JUSTIFICATION:			
In FY 2027, the AHFRM program will shift its focus to the next phase of capability enhancement, funded to pursue two primary efforts. The first is the development of a critical software update to integrate new digital HF capabilities, corresponding to the planned Increment 1 enhancements. The second major effort will be the development of a new digital antenna coupler, which aligns with Increment 2.			
Notably, the significant increase in program funding for FY 2027 is directly allocated to the development of Increment 1, a comprehensive software and firmware effort projected to last a year and a half, which is required for the successful integration of the new digital coupler.			
The development of the digital coupler is a key priority for FY 2027, aimed at addressing the significant supportability challenges posed by the current, obsolete analog coupler. To achieve this, the program will initiate requirements refinement and validation, conduct prototyping, and begin on-aircraft integration testing for the new digital design. This effort is essential not only to modernize the antenna interface but also to ensure the continued availability and reliability of beyond-line-of-sight HF communications for the fleet, mitigating risks associated with the aging and unsustainable legacy hardware.			
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.			
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Airborne High Frequency Radio Modernization (AHFRM)	8.423	19.709	33.215
Description: Development of Airborne High Frequency Radio System (AN/ARC-260 HF radio) for 15 aircraft platforms			
FY 2026 Plans:			
-Will perform Vendor site visits to determine Vendor eligibility			
-Will select Vendor for digital coupler development			
-Will begin risk assessment and cost analysis activities			
-Will perform system engineering trade studies			
-Will begin requirements refinement and validation activities			
-Will begin AN/ARC-260 digital coupler prototyping			
FY 2027 Plans:			
-Will begin requirements refinement			
-Will begin Increment 1 Development			
-Will begin Increment 1 Test and Evaluation			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303133F / <i>High Frequency Radio Systems</i>				Project (Number/Name) 675046 / <i>Systems Engineering & Integration</i>			
B. Accomplishments/Planned Programs (\$ in Millions) -Will complete Increment 2 antenna coupler prototyping -Will begin Increment 2 antenna coupler test and evaluation -Will complete Increment 2 critical design review of antenna coupler -Will begin software integration of with ARC-260 with antenna coupler <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The \$13.506 million increase from FY 2026 to FY 2027 is due to the development of Increment 1, a comprehensive software and firmware effort projected to last a year and a half, which is required for the successful integration of the new digital coupler in Increment 2.								FY 2025	FY 2026	FY 2027	
Accomplishments/Planned Programs Subtotals								8.423	19.709	33.215	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 07 000075: <i>Other Production Charges</i>	0.000	12.058	12.929	-	12.929	18.527	19.403	29.984	30.569	Continuing	Continuing
Remarks											
D. Acquisition Strategy The Service Acquisition Executive (SAE) designated the AHFRM program a Middle Tier of Acquisition (MTA) Rapid Prototyping effort on 4 Sep 2018. To date, the program completed a competitive rapid prototyping effort and awarded the AN/ARC-260 HF radio development contract to BAE Systems in Dec 2021. The AHFRM program transitioned to a Major Capability Acquisition (MCA) Acquisition Category III (ACAT III) program in April 2024 to finish development and testing prior to fielding and in addition to antenna coupler spiral development. The Milestone Decision Authority for the program is the Combat Avionics Division Senior Material Leader-AFLCMC/ESC. Program management for the AHFRM program is located at Warner Robins Air Force Base (AFB), Georgia. The Air Force Life Cycle Management Center - Combat Avionics Division (AFLCMC/ESC) provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems				Project (Number/Name) 675046 / Systems Engineering & Integration					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Increment 1 Software/ Firmware Upgrades - Requirements Refinement	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		-		1.750	May 2027	-		1.750	0.000	1.750	-
Increment 1 Software/ Firmware Upgrades - Software/Firmware Development	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		-		11.892	May 2027	-		11.892	Continuing	Continuing	-
Increment 2 Digital Coupler - Link-22 Capabilities Study	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	2.552	Mar 2026	3.048	May 2026	-		-		-	0.000	5.600	-
Increment 2 Digital Coupler - Risk Assessment and Cost Analysis	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	2.805	Mar 2026	1.210	Jul 2026	-		-		-	0.000	4.015	-
Increment 2 Digital Coupler - Systems Engineering Trade Studies	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		3.872	Jul 2026	-		-		-	0.000	3.872	-
Increment 2 Digital Coupler - Requirements Refinement and Validation	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		6.344	Jul 2026	3.217	May 2027	-		3.217	Continuing	Continuing	-
Increment 2 Digital Coupler - Prototyping	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		3.318	Jul 2026	9.538	May 2027	-		9.538	Continuing	Continuing	-
Subtotal			-	5.357		17.792		26.397		-		26.397	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HF Radio Development - Sustainment Planning	C/FFP	AFLCMC/C3N : Warner Robins, AFB, GA	-	0.056	Jan 2025	-		-		-		-	0.000	0.056	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems				Project (Number/Name) 675046 / Systems Engineering & Integration					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Increment 2 Digital Coupler - Vendor Eligibility Site Visit Analysis	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		0.629	Apr 2026	-		-		-	0.000	0.629	-
Subtotal			-	0.056		0.629		-		-		-	0.000	0.685	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HF Radio Development - Aircraft Platform Integration Operational Testing	MIPR	412th Test Wing : Edwards AFB, CA	-	2.953	Feb 2025	1.263	May 2026	-		-		-	0.000	4.216	-
Increment 1 Software/ Firmware Upgrades - Test and Evaluation	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		-		2.549	May 2027	-		2.549	Continuing	Continuing	-
Increment 2 Digital Coupler - On-Aircraft Test/ Integration	C/CPIF	AFLCMC/C3N : Warner Robins, AFB, GA	-	-		-		2.443	May 2027	-		2.443	Continuing	Continuing	-
Subtotal			-	2.953		1.263		4.992		-		4.992	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	AFLCMC/C3N : Warner Robins, AFB, GA	-	0.057	Jan 2025	0.025	Jan 2026	1.826	Jan 2027	-		1.826	Continuing	Continuing	-
Subtotal			-	0.057		0.025		1.826		-		1.826	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems				Project (Number/Name) 675046 / Systems Engineering & Integration					
		Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		-	8.423		19.709		33.215		-		33.215	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force											Date: April 2026						
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems						Project (Number/Name) 675046 / Systems Engineering & Integration					

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AN/ARC-260 Increment 1 and 2 Development																												
Material Solutions Analysis (MSA)																												
Request for Proposal (RFP)																												
Vendor Source Selection																												
Technical Maturation & Risk Reduction (TMRR)																												
Engineering & Manufacturing Development (EMD)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303133F / High Frequency Radio Systems	Project (Number/Name) 675046 / Systems Engineering & Integration	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
AN/ARC-260 Increment 1 and 2 Development				
Material Solutions Analysis (MSA)	1	2025	4	2025
Request for Proposal (RFP)	3	2025	2	2026
Vendor Source Selection	2	2026	3	2026
Technical Maturation & Risk Reduction (TMRR)	3	2026	4	2027
Engineering & Manufacturing Development (EMD)	1	2028	4	2030

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303140F I Information Systems Security Program							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	91.663	101.551	117.658	0.000	117.658	200.992	211.387	189.537	208.277	Continuing	Continuing
675200: Cryptographic Modernization 2 (CM2)	0.000	91.663	101.551	117.658	0.000	117.658	200.992	211.387	189.537	208.277	Continuing	Continuing

A. Mission Description and Budget Item Justification

Information Systems Security Program (ISSP) - Includes resources, manpower authorizations, necessary facilities and equipment required to develop, deliver, and sustain Cryptographic Modernization (CM) capabilities to nearly all Department of the Air Force (DAF) weapon systems that encrypt/decrypt sensitive information. CM ensures confidentiality, integrity, and availability of the information and the systems. The CM work done in the ISSP ensures that DAF systems receive cryptographic capabilities that are compliant with National Security Agency (NSA) mandates and that commanders can confidently leverage for Joint All Domain Command and Control (JADC2) capabilities.

The ISSP element and associated CM activities provide a foundational Communications Security (COMSEC) capability that is the first and last line of cyber defense against adversary exploitation. The DAF and the Department of War (DoW) require the capability to securely collect, process, store, and disseminate an uninterrupted flow of information, while denying an adversary the ability to intercept, collect, destroy, interpret, or manipulate our information flows. CM provides secure communication to allow the DoW to achieve and maintain decision superiority, the key to successful application of the military instrument of national power in modern full-spectrum operations. DAF COMSEC equipment protects sensitive information such as warfighter positions, mission planning, target strikes, commanders' orders, intelligence, force strength, and force readiness. When an adversary is capable of interpretation, manipulation, or destruction of the information used by the warfighter, DoW military forces will suffer significant and/or devastating mission degradation that can result in loss of life and resources and/or exceptionally grave damage to national security. The advanced threats and capabilities of near-peer adversaries will necessitate the exclusion of weapon systems with obsolete cryptography from Combatant Commands—diminishing the ability of the DAF to communicate securely in a high-end fight. The 2021 National Defense Authorization Act (NDAA) mandates the services begin reporting on their CM activities and status of obsolete products starting in Jan 2022.

The overall focus of the Research, Development, Test, and Evaluation (RDT&E) efforts within the ISSP program is to transform current CM devices to protect against current technology threats, which include quantum computing. The modernization effort is required by Chairman Joint Chiefs of Staff Notice (CJCSN) 6510 and NSA Decertification Messages (CED-31-15/037-21/032-16) from FY 2023 for the need to add Quantum Resilience (QR) to the existing high assurance cryptographic products. This effort will allow protection against advanced & evolving quantum computing threats. All existing crypto devices will be vulnerable and must be modernized to be quantum resilient. These efforts are driven by the NSA requirements to implement newly developed Quantum Resistant Algorithms (QRAs). The NSA requires an inventory of cryptographic devices that are more resilient to future threats through full software re-programmability. This will enable protection against near-peer adversary exploitation and provide the ability to rapidly adapt against newer threats.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element (PE) 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2025 3.214 million was expended for civilian pay expenses in this PE, and in FY 2026 4.279 million is forecast for civilian pay expenses in this program element.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303140F I Information Systems Security Program				
Information System Security Program (ISSP) received a Congressional add for FY 2026 4.0 million for a project under Business Enterprise Systems Product Innovation (BESPIN). Upon Congressional spend plan approval, an internal reprogramming will be processed aligning the funding to PE 0605829F Acquisition Workforce Cyber, Network and Business Systems for proper execution.						
The FY 2025 spend plan amount for Research, Development, Test and Evaluation includes \$91,663 thousand in discretionary and \$6,487 thousand of mandatory (reconciliation) for a total of \$98,150 thousand, used for Information Assurance Technical Assistance Center support in fielding systems.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		94.424	98.414	0.000	0.000	0.000
Current President's Budget		91.663	101.551	117.658	0.000	117.658
Total Adjustments		-2.761	3.137	117.658	0.000	117.658
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	3.137			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-2.761	0.000			
• Other Adjustments		0.000	0.000	117.658	0.000	117.658
Change Summary Explanation						
FY 2027: The FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program				Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675200: Cryptographic Modernization 2 (CM2)	0.000	91.663	101.551	117.658	0.000	117.658	200.992	211.387	189.537	208.277	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Department of the Air Force (DAF) Cryptographic Modernization 2 (CM2) effort modernizes cryptographic devices protecting critical national security information across multi-domain operations. This DAF effort supports an integrated effort across the cyber domain to transform to next-generation cryptographic capabilities. It provides U.S. forces and multinational and interagency partners the multi-domain security needed to protect the flow and exchange of strategic, operational, and tactical information in accordance with national and international policy/standards, and the validated requirements of decision makers, warfighters, and the intelligence community. CM2 modernization is required by Chairman Joint Chiefs of Staff Notice (CJCSN) 6510 and National Security Agency (NSA) Decertification Messages (CED-31-15/037-21/032-16) from FY 2023 for the need to add Quantum Resilience (QR) to the existing high assurance cryptographic products. This effort will allow protection against advanced & evolving quantum computing threats. All existing crypto devices will be vulnerable and must be modernized to be quantum resilient.

The CM2 effort is a holistic DAF-wide modern cryptographic strategy to provide long-term, evolving protection of Nuclear Command, Control, and Communications (NC3), Intelligence, Surveillance, Reconnaissance (ISR), Public Key Infrastructure (PKI), Key Management Enterprise (KME), and nearly all DAF platforms, ground and space networks. CM2 will provide the required enhanced security for all DAF voice, data, and video capabilities on the battlefield and throughout the Department of War (DoW) enterprise. In addition to the development /modernization of the devices, this effort requires studies, proof of concepts, and prototype efforts to accurately address the evolving quantum computing threats in the near future and ramp up efforts accordingly.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element (PE) 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2025 \$3.214 million was expended for civilian pay expenses in this PE, and in FY 2026 \$4.279 million is forecast for civilian pay expenses in this PE.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Technology Development (TD)	9.828	8.048	8.949
Description: CM2 TD will provide crypto devices with enterprise solutions that are more robust, modular, scalable, and provide durability to existing cryptographic end items, as well as updating midterm aging/unsupportable crypto equipment. All existing crypto devices will be vulnerable and must be modernized to be QR. The development efforts include hardware and software changes to the existing crypto devices while identifying new efforts necessary for development to address the refined CM2 Threshold Requirements and NSA Security Evaluation Requirements Document (SERD).			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>		Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Continue development for publication of an initial High Assurance modular open systems architecture for crypto to be leveraged by Department of War (DoW) enterprise solutions. - Continue to work with National Security Agency (NSA) on implementation of new algorithms and crypto key management standards to share with the defense industrial base for Cryptographic Modernization 2 (CM2) efforts. - Continue development of unified, interoperable architecture for at-scale "black key" delivery by assessing and converging roadmaps, capabilities, and operational plans of key management efforts across the DoW to identify alignment, timelines, and deployment challenges. - Continue to further enable artificial intelligence and machine learning capabilities for NSA cryptologic solutions to secure tactical and strategic level communications and data. FY 2027 Plans: - Will publish an initial High Assurance modular open systems architecture for crypto to be leveraged by DoW enterprise solutions. - Will initiate the development of a Quantum Resilient (QR) solution that will enable secure data for Small Form Factor (SFF) Size, Weight, Power, and Cost (SWAP-C) constrained devices operating at the tactical edge. - Will continue development contracts work with NSA for incorporating quantum resilience and implementation of emerging algorithms and crypto key management standards for Network Enabled Weapons, Beyond Line-of-Sight Comms, and Tactical Communications. - Will continue activities to operationalize and enable future NSA required all-black secure key management and distribution capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to contract award for the modernization of the High Assurance encryption device for the tactical edge.					
Title: Information Assurance (IA) Support Description: Provides IA support through experimentation and implementation of modernized algorithms and associated crypto systems/devices/implementations based on emerging capabilities of quantum computers; cryptanalytic attacks enabled by artificial intelligence; and proposed architectures and force designs for the near-term fight, mid-to-long term enterprise upgrades, and emerging threats. FY 2026 Plans: - Continue to develop Quantum Resilient solutions and modular open systems architectures with Industry to accelerate crypto modernization development and integration for weapon systems/mission systems. - Continue to work across all commands to ensure the Department of the Air Force (DAF) is implementing enterprise crypto solutions to reduce logistical footprints and sustainment costs.			4.040	4.216	4.216

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>		Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Continue to conduct in-depth, threat-driven analyses of critical DAF crypto capabilities, to include reliance on Joint Service crypto development roadmaps and Allied partner capability for mission readiness, DAF prioritization and resourcing. - Continue to partner with key Department of War (DoW) stakeholders and Industry partners to develop, publish, and prototype modular standards, establishing an enterprise baseline for agile, interoperable, modular high assurance cryptography. - Continue fielding efforts to operationalize new National Security Agency (NSA) required key management and distribution capabilities across the enterprise. FY 2027 Plans: - Will continue to develop Quantum Resilient solutions and modular open systems architectures with Industry to accelerate crypto modernization development and integration for weapon systems/mission systems. - Will continue to partner with key DoW stakeholders and Industry partners to develop, publish, and prototype modular standards and develop modular solutions for agile, interoperable, modular high assurance cryptography. - Will continue fielding efforts to operationalize new NSA required key management and distribution capabilities across the enterprise. - Will continue to work across all commands to ensure the DAF is implementing enterprise crypto solutions to reduce logistical footprints and sustainment costs.					
Title: Crypto Enterprise Management Description: Cryptographic Enterprise Management (CEM) will lead the continuous software development of an asset management and information system/application. The purpose of this application is to streamline current DAF NSA Controlled Cryptographic Item (CCI) management capabilities and provide enhanced traceability, accountability, and status. The effort will integrate data from currently fielded USAF logistics and supply chain management systems and then provide a holistic, connected enterprise view. FY 2026 Plans: - Develop Communication Security (COMSEC) device chain of custody, enabling DAF visibility into the sequence of custody, control, transfer, analysis, and disposition of COMSEC devices. - Coordinate with NSA to develop standardized specifications that define CCI device Hardware Bill of Materials (HBOM), Software Bill of Materials (SBOM), and Cryptography Bill of Materials (CBOM). Enrich CCI records with detailed SBOM/HBOM/CBOM. - Coordinate with user community to develop solutions to regularly report COMSEC device inventory and logs. Develop capabilities to automate review of logs across the inventory of DAF COMSEC Devices. FY 2027 Plans: - Will work towards FY 2027 Asset Management & Accountability to include improving CCI search functions, CCI Chain of Custody and history, and full tracking of CCI In-Transit Visibility data.			11.781	12.722	10.691

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>		Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Will explore enterprise monitoring of Secure Communications Interoperability Protocol devices and other CCI assets outside of High Assurance Internet Protocol Encryptor (HAIPE). Will continue to explore opportunities to do enterprise monitoring of devices that are not HAIPEs. - Will continue to focus on asset characterization to directly support warfighter readiness by delivering enhanced awareness, streamline logistics management, audit log monitoring, and improved decision-making capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to refinement of the Net Operations & Enterprise Management requirements.					
Title: Remote Rekey Next Generation (RRK-NG), Black Arrow Description: RRK-NG will lead development of a key distribution/management system providing the transmission of key material to control sites and unmanned remote sites. The development of RRK-NG is a National Security Agency (NSA) approved modernized cryptographic solution for use by the North American Aerospace Defense Command (NORAD) Tactical Air Defense mission for Eastern & Western defense sectors, Federal Aviation Administration (FAA) Air Traffic Control mission, with the capability to be releasable for foreign military sales. FY 2026 Plans: - Continue development on the RRK-NG program, beginning the implementation of the NSA mandated Security Evaluation Requirements Document (SERD 2.0) update. - Complete Systems Requirement Review (SRR). - Complete Critical Design Review (CDR). FY 2027 Plans: - Will continue development on the RRK-NG program and the implementation of the NSA mandated Security Evaluation Requirements Document (SERD 2.0) update. - Will complete Preliminary Design Review (PDR). - Will deliver Production Representative Engineering Design Models (PREDMS). - Will conduct Test Readiness Review (TRR). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase due to program performing integration and testing activities in preparation for completion of development phase.			17.881	22.908	25.584
Title: Classified Data at Rest (CDAR) Description: Classified Date at Rest (CDAR) will provide the capability to render stored classified data ("at rest") unusable to adversaries if data storage is captured or compromised, eliminating policy compliance shortfalls via a small family of solutions made up of the KSV-270 Single-channel Inline Media Encryptor and KSV-271 Multi-channel Inline Media Encryptor. The			15.209	10.733	6.466

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>	Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
development of CDAR is a set of National Security Agency (NSA) approved modernized cryptographic solution(s) for use in 45 Air Force (AF) platforms/systems exposed to hostile/uncontrolled environments. The enterprise cryptographic solution will encrypt/decrypt Top Secret and Below (TSAB) data at rest residing in a wide variety of data storage environments. KSV-271 will use FY 2027 funds to continue meeting Security Evaluation Requirements Document 2.0 (SERD 2.0) requirements as mandated by the NSA. If not funded to implement these mandates, existing contractual work will not be certified by NSA, ultimately delaying the fielding of the Multi-channel CDAR (MCCDAR) solution to AF users that do not currently protect data at rest. FY 2026 Plans: KSV-270 Single-channel Inline Media Encryptor - Deliver Production Representative Engineering Design Models and complete four-year development effort. - Complete NSA High Assurance Certified design. - Deliver final Digital Engineering Models/Artifacts. - Transition from Engineering and Manufacturing Development (EMD) to production - Award Production Delivery Order #1. KSV-271 Multi-channel Inline Media Encryptor - Secured Command, Control, Communications and Battle Management external funding to implement SERD 2.0 requirements to restart the planned development effort. - Implement SERD 2.0 requirements as mandated by NSA. FY 2027 Plans: KSV-270 Single-channel Inline Media Encryptor - Will be in Production. KSV-271 Multi-channel Inline Media Encryptor - Will continue to execute SERD 2.0 requirements and meet development milestones. - Will execute Security Requirement Review (SRR) and Preliminary Design Review (PDR). FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to completion of KSV-270 Single-channel Inline Media Encryptor development effort and transition to production phase. Remaining funds planned for KSV-271 Multi-channel Inline Media Encryptor effort.			
Title: Identification Friend or Foe (IFF) Mode 5		8.723	5.588
Description: Modernization of the IFF Mode 5 devices enables the warfighter to engage and accurately identify friendly or enemy forces as friend or foe. It prevents fratricide during target engagements and provides authentication and encryption/decryption			12.887

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>		Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
services. The modernized devices will be quantum resilient and prevent enemy disruption of IFF functions. They will enhance the needed security for interrogations and response. These encryption devices operate within military aircraft, fixed, and transportable ground stations when connected to an interrogator and/or transponder. The IFF Mode 5 crypto modules KIV-77 and KIV-78 requires permanent modification. Alternative solutions shall be considered and not impact the existing form, fit, and function and shall follow NSA guidance for certification. The modification of these devices is required to address quantum threats (that is, CM2), producibility and algorithm reprogrammability mandated by NSA and the 2019 Chairman of the Joint Chiefs of Staff Notice (CJCSN) 6510. FY 2026 Plans: IFF Mode 5 device KIV-78A - Complete Engineering & Manufacturing Development (EMD) effort, transition into production phase. IFF Mode 5 device KIV-77A - Complete pre-contract award activities. FY 2027 Plans: IFF Mode 5 device KIV-78A - Will be in Production. IFF Mode 5 device KIV-77A - Award development contract in FY 2027 third quarter. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of funding in FY 2027 is expected for KIV-77A development contract award.					
Title: KG-3XA Nuclear Command, Control, and Communications (NC3) Very Low Frequency (VLF) Capability Description: KG-3XA 1067 modification will provide a transmit and receive quantum resilient compliant NSA approved cryptographic solution for the Very Low Frequency (VLF) Enterprise (KGV-363) and modernize legacy KG-3X cryptographic device KG-333 to support Nuclear Command, Control, and Communications Center (NC3) missions. The KG-3XA development effort will deliver form, fit function cryptographic capabilities employed in air and group equipment to securely process emergency action messages. KGV-363 will use FY 2026-28 funds to meet Security Evaluation Requirements Document (SERD) 2.0 requirements as mandated by the NSA. If not funded to implement these mandates, existing contractual work will not be certified by the National Security Agency ultimately delaying the fielding of the QR upgrade for the VLF community.			10.844	23.310	25.790

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303140F / <i>Information Systems Security Program</i>		Project (Number/Name) 675200 / <i>Cryptographic Modernization 2 (CM2)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
<i>FY 2026 Plans:</i> KGV-363 - Continue development of Crypto Module with SERD 2.0 implementation, required for NSA. - Complete milestones under System Requirements Review (SRR), System Functional Review (SFR), Preliminary Design Review (PDR). KG-333M - Award development contract in FY 2026 fourth quarter. <i>FY 2027 Plans:</i> KGV-363 - Will continue development of Crypto Module with SERD 2.0 implementation, required for NSA. - Will complete milestones under SERD 2.0: Critical Design Review (CDR), Test Readiness Review (TRR). KG-333 - Will continue development of Crypto Host with SERD 2.0 implementation, required for NSA. - Will complete milestones under System Requirements Review (SRR), System Functional Review (SFR). <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Overall funding increase for the combination of development for the KGV-363 under SERD 2.0 and full year development of the KG-333(M). KGV-363 will be continuing efforts to complete the development effort including conducting milestones mentioned in the FY 2027 plan as well as beginning testing and evaluation in FY 2027. Meanwhile the KG-333(M) will have a full year of development in FY 2027 after a late FY 2026 contract award and is projected to complete SRR and SFR and will work towards finalizing approval of documents needed to enter Preliminary Design Review (PDR) FY 2028.					
<i>Title:</i> Space Communication Security (COMSEC) / Space Modular Common Crypto (SMCC) <i>Description:</i> Description: Implements Cryptographic Modernization 2 (CM2) across space enterprise devices including Space Ground Operating Equipment (GOE) and orbital Aerospace Vehicle Equipment (AVE) supporting satellites of all sizes. These Space CM2 efforts will also increase the performance envelope for space crypto to support the emerging growth of space-based communications by increasing data throughput and number of channels supported per device. KG-210 GOE will use FY 2026-2027 funds to meet Security Evaluation Requirements Document 2.0 (SERD 2.0) requirements as mandated by NSA. If not funded to implement these mandates, existing contractual work will not be certified by the NSA, ultimately delaying the fielding of the quantum-resilient (QR) upgrade for the Space COMSEC community. Additionally, FY 2027 funds will be used to start the CM2			13.357	14.026	23.075

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program				Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
upgrade for the Variable Performance Chipset which is used in multiple Advanced Extremely High Frequency (AEHF) satellite communications (SATCOM) terminals supporting high priority military assets.											
FY 2026 Plans: - Achieving Critical Design Review for the development of the KG-210 Ground Operating Equipment (GOE) combining space and terrestrial communications capabilities into single device to seamlessly connect the space and terrestrial networks at all space operations centers.											
FY 2027 Plans: - Will perform the test phase of the development program of the KG-210 GOE combining space and terrestrial communications capabilities into single device to seamlessly connect the space and terrestrial networks at all space operations centers. - Will start the development of the Cryptographic Modernization 2 (CM2) effort for the Advanced Extremely High Frequency (AEHF) satellite communications (SATCOM) terminal core cryptographic capabilities into a single common encryption unit which will support multiple AEHF SATCOM terminals.											
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased to begin development on the AEHF SATCOM terminal core cryptographic capabilities in addition to the KG-210 development.											
Accomplishments/Planned Programs Subtotals								91.663	101.551	117.658	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 831010: Comsec Equipment	75.880	123.850	374.613	-	374.613	556.936	558.642	329.385	335.969	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Implement Air Force portion of the Department of War (DoW) Cryptographic Modernization 2 (CM2) Initiative through modernization/modification efforts, in varying stages of the acquisition cycle, with focus on minimizing life cycle costs. The Cryptographic Modernization portfolio of component acquisition projects is executing using a variety of approaches that vary from an evolutionary acquisition strategy using spiral development (for new component development) to incremental improvement leveraging leading-edge, certified non-developmental items (for modernization). Contract type is selected for each of the individual projects based upon its acquisition approach and its unique technology risks. A mixture of fixed-price and cost-reimbursement contracts have been selected which maximize the best value for the Government.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program				Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Development (TD)	Various	MULTIPLE : MULTIPLE	-	7.862	Jan 2025	6.438	Jan 2026	7.159	Jan 2027	-		7.159	Continuing	Continuing	-
Information Assurance (IA) Support	Various	MULTIPLE : MULTIPLE	-	4.040	Nov 2024	4.216	Nov 2025	4.216	Nov 2026	-		4.216	Continuing	Continuing	-
Crypto Enterprise Management	Various	MULTIPLE : MULTIPLE	-	9.232	Nov 2024	9.969	Nov 2025	8.378	Nov 2026	-		8.378	Continuing	Continuing	-
Remote Rekey Next Gen (Black Arrow)	Various	MULTIPLE : MULTIPLE	-	14.012	Nov 2024	17.951	Nov 2025	20.048	Nov 2026	-		20.048	Continuing	Continuing	-
CDAR	Various	MULTIPLE : MULTIPLE	-	11.863	Feb 2025	8.372	Feb 2026	5.043	Feb 2027	-		5.043	Continuing	Continuing	-
IFF Mode 5	Various	MULTIPLE : MULTIPLE	-	5.670	Feb 2025	3.632	Nov 2025	8.377	Nov 2026	-		8.377	Continuing	Continuing	-
KG-3XA	Various	MULTIPLE : MULTIPLE	-	8.458	Nov 2024	18.182	Nov 2025	20.116	Nov 2026	-		20.116	Continuing	Continuing	-
Space COMSEC/SMCC	Various	MULTIPLE : MULTIPLE	-	10.419	Feb 2025	10.941	Feb 2026	18.000	Feb 2027	-		18.000	Continuing	Continuing	-
Subtotal			-	71.556		79.701		91.337		-		91.337	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFF Mode 5	Various	Various : Various	-	3.053	Jan 2025	1.956	Jan 2026	4.510	Jan 2027	-		4.510	Continuing	Continuing	-
Subtotal			-	3.053		1.956		4.510		-		4.510	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs (PSC)	Various	Various : Various : TBD	-	17.054	Dec 2024	19.894	Dec 2025	21.811	Dec 2026	-		21.811	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program				Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	17.054		19.894		21.811		-		21.811	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	91.663		101.551		117.658		-		117.658	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program									
										Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cryptographic Modernization 2 (CM2)																												
Technology Development																												
Information Assurance Support																												
Crypto Enterprise Management																												
Remote Rekey Next Gen (Black Arrow)																												
CDAR																												
IFF Mode 5																												
KG-3XA																												
Space COMSEC/SMCC																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303140F / Information Systems Security Program	Project (Number/Name) 675200 / Cryptographic Modernization 2 (CM2)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Cryptographic Modernization 2 (CM2)				
Technology Development	1	2025	4	2031
Information Assurance Support	1	2025	4	2031
Crypto Enterprise Management	1	2025	4	2031
Remote Rekey Next Gen (Black Arrow)	1	2025	4	2031
CDAR	1	2025	4	2031
IFF Mode 5	1	2025	4	2031
KG-3XA	1	2025	4	2029
Space COMSEC/SMCC	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303248F I All Domain Common Platform							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	86.301	75.711	71.312	0.000	71.312	73.848	74.783	75.743	75.365	Continuing	Continuing
673248: Air Force Command and Control (C2) Comm	0.000	86.301	75.711	71.312	0.000	71.312	73.848	74.783	75.743	75.365	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

All Domain Common Platform (ADCP) provides platform, infrastructure, networking, cloud hosting, Air Operations Center (AOC) hybrid cloud architecture, operational edge, and engineering services using Agile methodologies and Development, Security, and Operations (DevSecOps) practices to deliver improved capabilities at scale in support of Command-and-Control mission requirements. Platform customers include the Air Operations Center (AOC), Intelligence Programs, the Command and Control Incident Management Emergency Response Application (C2IMERA), etc. ADCP contributes to the DAF Battle Network and Joint All-Domain Command and Control (JADC2), meeting system resiliency requirements through the escalating phases of warfare.

Efforts within this program align with and depend upon USAF investment in Mission Planning Systems (PE 0208006F), Air Operations Center (PE 0207410F), Command and Control Incident Management Emergency Response Application (C2IMERA) (0305836F), Advanced Battle Management System (ABMS) (0604003F) and Flight Ops (PE 0207461F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities necessary for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. In FY 2025 15.862 million was expended for civilian pay expenses in this program element, and in FY 2026 10.285 million is forecast for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0303248F I All Domain Common Platform				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	82.927	76.642	0.000	0.000	0.000	
Current President's Budget	86.301	75.711	71.312	0.000	71.312	
Total Adjustments	3.374	-0.931	71.312	0.000	71.312	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	-0.931				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	6.000	0.000				
• SBIR/STTR Transfer	-2.626	0.000				
• Other Adjustments	0.000	0.000	71.312	0.000	71.312	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: ADCP Development				86.301	75.711	71.312
Description: ADCP is an evolving, delivered and managed product distributed to customers ensuring the requisite tools and services needed to seamlessly and securely build, deploy and sustain successful Command and Control (C2) mission applications. Funding directly supports the design, development, testing and evaluation, engineering, and the product/program management to build functionality and scalability of the AOC platform, hybrid cloud architecture, and underlying infrastructure. In addition, it supports all accreditation and cybersecurity efforts required to obtain and maintain the AOC's authorities to operate across multiple impact levels and platform and network infrastructures. To speed product development, funding supports enablement services, data science, data engineering, data modeling/governance, and process automation. Funding also supports network and platform architecture development and prototyping to increase platform, communications, and network efficiency and capabilities. Lastly, funding supports continued development and fielding of Application Transformation (AppTX), integration of Maven Smart Systems, and implementation of Information Technology Service Management (ITSM) tools, technologies, and processes to ensure that ADCP services are delivered efficiently and effectively						
FY 2026 Plans:						
- Continue to support Continuous Integration and Continuous Delivery (CI/CD) pipelines operating in cloud-native environments						
- Continue transition of containerized C2 applications to the production-ready open-source system						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0303248F / <i>All Domain Common Platform</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Continue to increase enhanced security observability tooling in support of application customers and platform services via a Security Operations Center - Continue iterative delivery of automation for monitoring and tracking services for application customer usage - Continue to improve C2 mission application reliability and decrease lead time for new capability delivery - Continue to optimize implementation of commercially managed platform and infrastructure services on available public cloud service provider offerings and provide architectural/engineering support to ongoing managed platform operations - Continue to develop, test, and deliver operationalized connected edge platform capabilities for AOC focused C2 applications - Continue to align and support core DAF Battle Network (DBN) C2 application tenants including managing and optimizing the C2IMERA and AppTx cloud environments, providing security monitoring to all AOC sites, and converging KR applications with DAF Cloudworks - Continue Identity, Credential, and Access Management (ICAM) development to support the Hardened Application Platform (HAP) disconnected operations solution - Continue supporting platform tenants with planning and architecture for developmental and operational testing of fielded application capabilities - Complete migration of applications to the preferred DAF BATTLE NETWORK platforms - Supporting integration of AOC with DAF Battle Network (DBN) and Theater Air Planning System of Systems (TAP-SoS) - Support cloud-hosted self-monitoring access for C2 mission application development teams to manage path to production - Improve data management and sharing through iterative improvements to enterprise data governance - Improve access and availability of unique internal-facing IT products and services to best enable program execution - Support platform and infrastructure convergence with AOC WS modernized hardware and infrastructure at the edge supporting contested, degraded, and operationally limited (CDOL) environments FY 2027 Plans: - Will continue to provide enhance security observability and remediation tools and services in support of application customers and platform services via a Security Operations Center - Will continue iterative delivery of automation for observability, monitoring, and tracking of services for application customer usage - Will continue to improve C2 mission application reliability and decrease lead times for new capability delivery - Will continue to optimize managed platform and infrastructure services on available public cloud service provider and provide architectural/engineering support to ongoing managed platform operations across the AOC enterprise - Will continue development, improvement, and delivery of operationalized connected edge platform capabilities through the AOC/ AppTX hybrid architecture model to deliver fight tonight capability with parity for remaining legacy on-premise and developing cloud operations. - Will continue to integrate with TAP-SoS and DAF Battle Network (DBN) C2 systems in support of Program Executive Office C3BM mission threads				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0303248F I All Domain Common Platform						
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
- Will continue to support cloud-hosted self-monitoring access for C2 mission application development - Will continue to improve AppTx and C2IMERA data management, tagging, and sharing through iterative improvements to enterprise data governance - Will continue supporting platform tenants with planning and architecture for developmental and operational testing of fielded application capabilities by leveraging and improving AppTx capabilities - Will continue to improve access and availability of unique internal-facing IT products and service to best enable program execution in support of C2 application delivery to DAF Battle Network (DBN) weapon systems - Will continue to integrate Maven Smart Systems Commercial Off The Shelf (COTS) licenses to provide AI-driven workflows and data connections that enable high functioning cross-platform interoperability for the modern AOC, capabilities required for success in Major Theater War and critical to out-pacing adversaries by replacing legacy systems - Will begin supporting efforts to enhance data flow between C2 systems through improved network functionality FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding decreases due to discontinuing Platform as a Service (PaaS) to cloud connected edge environments and discontinuing support of Continuous Integration and Continuous Delivery (CI/CD) pipelines.												
Accomplishments/Planned Programs Subtotals										86.301	75.711	71.312
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 833140: Strategic Command And Control	5.368	1.855	1.914	-	1.914	1.139	1.158	1.116	1.322	Continuing	Continuing	
• OPAF 03 834530: Air & Space Operations Center (AOC)	0.511	0.521	0.544	-	0.544	0.555	0.566	0.576	0.587	Continuing	Continuing	
Remarks												
E. Acquisition Strategy												
ADCP leverages a modular contracting strategy that focuses on evolving needs, continuous market research, and streamlined solicitation procedures. ADCP utilizes both small and large business contracts for specialized services, enabling the ADCP program to adopt commercial best practices for software development and to continue scaling of the modern IaaS/PaaS solution. Activities are also accomplished via Military Interdepartmental Purchase Requests (MIPR). Additionally, significant technical expertise will be obtained via other Government Agencies, DoW Laboratories, Federally Funded Research and Development Centers (FFRDC), Academia, and Engineering & Professional Acquisition Support Services contractors as well as commercial industry partners.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0303248F / <i>All Domain Common Platform</i>	
Program management for the ADCP program is under direction of Portfolio Acquisition Executive (PAE) for Command, Control, Communications, and Battle Management (C3BM), located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for the ADCP program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303248F / All Domain Common Platform				Project (Number/Name) 673248 / Air Force Command and Control (C2) Comm					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ADCP Development	Various	Various : TBD	-	55.866	Dec 2024	49.735	Oct 2025	48.986	Dec 2026	-		48.986	Continuing	Continuing	-
ADCP Data Services	C/FFP	Various : TBD	-	3.510	Apr 2025	0.732	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	59.376		50.467		48.986		-		48.986	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ADCP Direct Mission Support	C/CPAF	Various : TBD	-	1.107	Oct 2024	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
ADCP Civilian Direct Cite Authority for Product Development	C/CPAF	Not specified. : TBD	-	15.862	Oct 2024	10.285	Oct 2025	12.270	Oct 2026	-		12.270	Continuing	Continuing	-
Subtotal			-	16.969		10.285		12.270		-		12.270	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ADCP Engineering Services	Various	Various : TBD	-	2.132	Oct 2024	1.332	Oct 2025	1.305	Oct 2026	-		1.305	Continuing	Continuing	-
ADCP Program Support	C/Various	Various : TBD	-	7.824	Nov 2024	13.627	Oct 2025	8.751	May 2027	-		8.751	Continuing	Continuing	-
Subtotal			-	9.956		14.959		10.056		-		10.056	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	86.301		75.711		71.312		-		71.312	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0303248F / All Domain Common Platform			Project (Number/Name) 673248 / Air Force Command and Control (C2) Comm

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air Force Command and Control (C2) Common Platform																												
Continuous ADCP Deliveries																												
Implement and Manage Enterprise Services																												
Stabilize Legacy Platform																												
Develop and Scale AppTx Platform																												
Move Hosted Applications to the Cloud																												
Migrate KR Applications to DAF Cw																												
Develop Cloud-Connected Edge Solutions																												
DAF Battle Network Alignment																												
DAF Battle Network Integration																												
Platform Convergence with DAF Battle Network																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303248F / All Domain Common Platform	Project (Number/Name) 673248 / Air Force Command and Control (C2) Comm	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Air Force Command and Control (C2) Common Platform</i>				
Continuous ADCP Deliveries	1	2025	4	2031
Implement and Manage Enterprise Services	1	2025	4	2031
Stabilize Legacy Platform	1	2025	4	2025
Develop and Scale AppTx Platform	1	2025	3	2031
Move Hosted Applications to the Cloud	1	2025	1	2026
Migrate KR Applications to DAF Cw	1	2025	1	2027
Develop Cloud-Connected Edge Solutions	1	2025	4	2031
DAF Battle Network Alignment	1	2025	4	2027
DAF Battle Network Integration	3	2026	4	2031
Platform Convergence with DAF Battle Network	3	2026	2	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303260F I Joint Military Deception Initiative							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.557	0.351	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.908
674550: Air Base Resiliency	0.000	6.557	0.351	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.908
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2026, Project 674550 was completed.

A. Mission Description and Budget Item Justification

Air Base Resiliency information remain classified and will be provided in the appropriate forum on a need-to-know basis.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898, 0606398F. In FY 2025 \$0 million was expended for civilian pay expenses in this program element, and in FY 2026 \$0 million is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	7.324	0.356	0.000	0.000	0.000
Current President's Budget	6.557	0.351	0.000	0.000	0.000
Total Adjustments	-0.767	-0.005	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-0.505	0.000			
• SBIR/STTR Transfer	-0.262	-0.005			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

In FY2026, Project 674550 was completed.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0303260F <i>I Joint Military Deception Initiative</i>		
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Air Base Resiliency Description: Detailed information on Air Base Resiliency remains classified and will be provided upon request. FY 2026 Plans: Detailed information on Air Base Resiliency remains classified and will be provided upon request. FY 2027 Plans: In FY2026, Project 674550 was completed. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to program completion.	6.557	0.351	0.000
Accomplishments/Planned Programs Subtotals	6.557	0.351	0.000
D. Other Program Funding Summary (\$ in Millions) N/A Remarks Detailed information on Air Base Resiliency remains classified and will be provided upon request. In FY2026, Project 674550 was completed.			
E. Acquisition Strategy N/A, program is completed in FY27.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303260F / Joint Military Deception Initiative				Project (Number/Name) 674550 / Air Base Resiliency					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Strategic Asset Procurement	MIPR	Various : TBD	-	5.557	Jul 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	5.557		-		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Shipping & Storage	TBD	Not specified. : TBD	-	-		0.150	Jul 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.150		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA)	MIPR	MTSI : Dayton, WPAFB, OH	-	1.000	Sep 2025	0.201	Jul 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	1.000		0.201		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	6.557		0.351		-		-		-	Continuing	Continuing	N/A
Remarks															
Air Base Resiliency information remain classified and will be provided in the appropriate forum on a need-to-know basis.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303260F / Joint Military Deception Initiative					Project (Number/Name) 674550 / Air Base Resiliency				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air Base Resiliency																												
Classified																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303260F / Joint Military Deception Initiative	Project (Number/Name) 674550 / Air Base Resiliency

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Air Base Resiliency				
Classified	1	2025	4	2026

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0304100F I Strategic Mission Planning & Execution System (SMPES)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	67.385	74.236	89.663	0.000	89.663	97.298	132.205	116.637	121.188	Continuing	Continuing
674212: NLCC Decision Support System	0.000	11.583	11.654	11.742	0.000	11.742	10.863	10.929	11.137	11.362	Continuing	Continuing
675029: Strategic Mission Planning & Execution System	0.000	55.802	62.582	77.921	0.000	77.921	86.435	121.276	105.500	109.826	Continuing	Continuing

Note

In FY2024, the following efforts were transferred to PE 0304100F, Strategic Mission Planning and Execution System (SMPES): PE 0101324F, Integrated Strategic Planning & Analysis Network (ISPAN) and PE 0301112F, Nuclear Planning & Execution System (NPES) / National Leadership Command Capability (NLCC) Decision Support Service (DSS).

A. Mission Description and Budget Item Justification

This budget line funds the SMPES PE. Legacy PEs 0101324F ISPAN and 0301112F NPES and NLCC DSS have been consolidated into one SMPES PE 0304100F. The SMPES PE is comprised of two Budget Program Activity Codes (BPAC): SMPES and NLCC DSS.

SMPES is an integrated enterprise solution software system providing the Department of War (DoW) and U.S. strategic nuclear forces' principal nuclear planning and analysis tools; including tools for consequence analysis and deliberate, adaptive, and crisis action planning for strategic deterrence.

SMPES continues to consolidate the following six independently managed programs into one system: 1) Mission Planning and Analysis System (MPAS); 2) Global Adaptive Planning Collaborative Information Environment (GAP-CIE); 3) NLCC DSS - Nuclear Command and Control (NC2) Conference Module; 4) NPES Recapitalization (NPES Recap); 5) Force Status Readiness (FSR); and 6) Force Survivability Analysis and Management (FSAM).

SMPES provides comprehensive global strike, coordinated space and missile defense, and information operations capabilities to meet strategic deterrent and national security objectives. SMPES consists of multiple sub-applications, working together to provide senior leaders with a strategic planning capability to U.S. Strategic Command (USSTRATCOM) leadership and war planners. SMPES software is utilized to develop Joint Staff Level I - IV nuclear and conventional attack options for national and theater requirements, by conducting continuous agile software development for classified and unclassified networks. SMPES supports the Unified Command Plan and Nuclear Posture Review (formerly known as MPAS).

Special Access Program (SAP) Mission Planning and Distribution System (SMPDS) project: Supports baseline planning requirement of SMPES. This project supports a critical system of systems being designed to provide USSTRATCOM with the capability to integrate, plan, and distribute missions for emerging weapons systems. This system is essential for enhancing strategic deterrence and ensuring the effective planning of new military technologies.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0304100F I Strategic Mission Planning & Execution System (SMPES)
SMPES Data Visualizer is a web-based, collaborative, joint operation planning (JOP) application that enables combatant commanders and strategic leaders to rapidly coordinate on course of action development. The SMPES Data Visualizer planning environment provides deliberative planning, crisis action planning, decision support tools, and the Global Situational Awareness Tool (GSAT), supporting combatant commanders' visual of geospatial, temporal, and relational planning data (formerly GAP-CIE). NLCC DSS develops and delivers software to directly support strategic leaders in time critical national events. NLCC DSS will improve situational awareness of threats to the U.S. and its Allies, aggregate strategic-level information, and provide response options in a common, resilient, and mobile visual display capability. SMPES develops software to facilitate Nuclear Command and Control (NC2) adaptive planning and execution at fixed and mobile sites in real time, and provides communication interfaces with software development, data management, software re-engineering, and operations to include requirements validation and training (formerly known as Nuclear Planning and Execution System Recapitalization [NPES Recap]). SMPES provides decision-makers and planners with real-time status of U.S. nuclear forces and stores information related to the U.S. Strategic Command (USSTRATCOM) NC2 mission enabling combatant commanders the ability to monitor the status of forces to include missiles, aircraft, submarines, and key personnel (formerly known as Force Status Readiness [FSR]). SMPES enables the Warning System Controller (WSC) to monitor the status of all USSTRATCOM assigned forces to include but not limited to: 1) tracking the location of hostile threat aircraft and missile systems; 2) processing and displaying potential U.S. force vulnerabilities; and 3) providing force management/force survival (FM/FS) analysis tools to USSTRATCOM senior leaders (formerly known as Force Survivability Analysis and Management [FSAM]). Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. Funds will also procure Program Management Administration (PMA) support. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0304100F I Strategic Mission Planning & Execution System (SMPES)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	69.441	75.164	0.000	0.000	0.000
Current President's Budget	67.385	74.236	89.663	0.000	89.663
Total Adjustments	-2.056	-0.928	89.663	0.000	89.663
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-2.056	-0.928			
• Other Adjustments	0.000	0.000	89.663	0.000	89.663
Change Summary Explanation					
FY25: SBIR Base Reduction (-2.056M)					
FY26: SBIR/STTR Reduction (-0.928M)					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)				Project (Number/Name) 674212 / NLCC Decision Support System			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674212: NLCC Decision Support System	0.000	11.583	11.654	11.742	0.000	11.742	10.863	10.929	11.137	11.362	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the National Leadership Command Capability (NLCC) Decision Support Service (DSS). NLCC DSS will develop and deliver software to directly support strategic leaders in time critical national events. NLCC DSS will improve situational awareness of threats to the U.S. and its Allies, aggregate strategic-level information, and provide response options in a common, resilient, and mobile visual display capability.

NLCC DSS is developing conference modules that will directly support senior leaders with a common visual display to enhance national-level situational awareness and strategic-level decision making. The program includes the Nuclear Command and Control (NC2) Conference Module that will be integrated into the Strategic Mission Planning and Execution System (SMPES) enterprise architecture as well as at least two additional follow-on conference modules to support other mission areas and Combatant Commands. These additional conference modules are not expected to be a part of the SMPES enterprise architecture.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: National Leadership Command Capability Decision Support Service (NLCC DSS) - Conference Module Development	11.583	11.654	11.742
Description: Funds will be used for the development, integration, and test activities of NLCC DSS conference modules			
FY 2026 Plans: Activities will include, but are not limited to the following: - Continue development activities of the first of the two additional conference modules - Continue requirement refinement and begin development of the second of the two additional conference modules - Continue development for NC2 conference module as required for operator or cybersecurity requirements			
FY 2027 Plans: Activities will include, but are not limited to the following: - Continue development activities of the first of the two additional conference modules - Continue requirement refinement and begin development of the second of the two additional conference modules - Continue development for NC2 conference module as required for operator or cybersecurity requirements			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304100F / <i>Strategic Mission Planning & Execution System (SMPES)</i>	Project (Number/Name) 674212 / <i>NLCC Decision Support System</i>	
B. Accomplishments/Planned Programs (\$ in Millions) The FY27 increase will be used for the development, integration, and test activities of NLCC DSS conference modules.		FY 2025	FY 2026
		FY 2027	
Accomplishments/Planned Programs Subtotals		11.583	11.654
		11.742	
C. Other Program Funding Summary (\$ in Millions) N/A Remarks			
D. Acquisition Strategy National Leadership Command Capability (NLCC) Decision Support Service (DSS) has implemented the Agile DevSecOps, Continuous Integration/Continuous Delivery (CI/CD) acquisition strategy with development contracts that are negotiated and awarded in a competitive environment. NLCC DSS will consider the best contract options to implement the Agile DevSecOps, CI/CD strategy, and optimize overall data strategies. Other activities are accomplished using various contracting vehicles, such as Military Interdepartmental Purchase Requests (MIPRs). Program management for NLCC DSS is under the direction of Program Executive Officer (PEO) Nuclear Command, Control, and Communications (NC3), located at Hanscom AFB, MA. The Air Force Nuclear Weapons Center (AFNWC) located at Hanscom AFB, MA and the 55th Contracting Squadron at Offutt AFB, NE are the contracting authorities for the NLCC DSS program. AFNWC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)						Project (Number/Name) 674212 / NLCC Decision Support System					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Visualization Development	C/CPIF	Various : Bellevue, Offutt AFB, NE	-	9.327	Jan 2025	9.394	Jan 2026	9.477	Jan 2027	-		9.477	Continuing	Continuing	-		
Subtotal			-	9.327		9.394		9.477		-		9.477	Continuing	Continuing	N/A		
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
IT Support	C/CPAF	Various : Bellevue, Offutt AFB, NE	-	0.508	Jun 2025	0.509	Jan 2026	0.510	Jan 2027	-		0.510	Continuing	Continuing	-		
Engineering Support	SS/FFP	MITRE : Bellevue, Offutt AFB, NE	-	0.654	Nov 2024	0.655	Nov 2025	0.657	Nov 2026	-		0.657	Continuing	Continuing	-		
Subtotal			-	1.162		1.164		1.167		-		1.167	Continuing	Continuing	N/A		
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Program Management Ops Support	C/CPIF	Various : Bellevue, Offutt AFB, NE	-	1.094	Feb 2025	1.096	Feb 2026	1.098	Feb 2027	-		1.098	Continuing	Continuing	-		
Subtotal			-	1.094		1.096		1.098		-		1.098	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	11.583		11.654		11.742		-		11.742	Continuing	Continuing	N/A		
Remarks																	

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)						Project (Number/Name) 674212 / NLCC Decision Support System			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NC2 Conference Module																												
NC2 Conference module is being developed for SMPES to support the NC2 mission area. Project started 3rd Qtr FY22																												
Additional Conference Module 2																												
Conference module development to support senior leader conferences																												
Additional Conference Module 3																												
Conference module development to support senior leader conferences																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304100F / <i>Strategic Mission Planning & Execution System (SMPES)</i>	Project (Number/Name) 674212 / <i>NLCC Decision Support System</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>NC2 Conference Module</i>				
NC2 Conference module is being developed for SMPES to support the NC2 mission area. Project started 3rd Qtr FY22	1	2025	4	2031
<i>Additional Conference Module 2</i>				
Conference module development to support senior leader conferences	1	2025	4	2027
<i>Additional Conference Module 3</i>				
Conference module development to support senior leader conferences	1	2026	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)				Project (Number/Name) 675029 / Strategic Mission Planning & Execution System			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675029: Strategic Mission Planning & Execution System	0.000	55.802	62.582	77.921	0.000	77.921	86.435	121.276	105.500	109.826	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Strategic Mission Planning and Execution System (SMPES) will be the U.S. Air Force (USAF) and U.S. strategic nuclear forces' principal nuclear planning and analysis tool for accessing consequence analysis information and strategic deterrence. SMPES consolidates the following six independently managed programs into one system: 1) Mission Planning and Analysis System (MPAS); 2) Global Adaptive Planning Collaborative Information Environment (GAP-CIE); 3) Decision Support Service (DSS) - Nuclear Command and Control (NC2) Conference Module; 4) Nuclear Planning and Execution System Recapitalization (NPES Recap); 5) Force Status Readiness (FSR); and 6) Force Survivability Analysis and Management (FSAM).

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Strategic Mission Planning and Execution System (SMPES)	55.802	62.582	77.921
Description: Funds will be used for the development, integration, test, and fielding activities of nuclear command, control, and communications (NC3) enterprise solutions			
FY 2026 Plans: Continuing activities will include, but are not limited to the following: - Build out MVCR FY26 capability to incorporate additional weapon types - Continue implementation of Zero Trust in preparation for the FY2027 deadline - Continue to enhance automated deployments in order to enable continuous delivery to sites with minimal system administrator personnel - Implement automated training capabilities within the system - Enhance evolving cybersecurity and continue the recurring lifecycle procurement and tech refreshes of commercial based hardware and software components - Support Special Access Program (SAP) Mission Planning and Distribution System (SMPDS) software and hardware requirements to fully enable SAP weapon system planning, analyzation, and integration procedures for Operational Planning			
FY 2027 Plans: Continuing activities will include, but are not limited to the following:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)			Project (Number/Name) 675029 / Strategic Mission Planning & Execution System				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
- Begin build out of MVCR FY27 capability to support new data system architecture - Continue implementation of Zero Trust - Continue to enhance automated deployments to enable continuous delivery to sites with minimal system administrator personnel - Implement automated training capabilities within the system - Enhance evolving cybersecurity and continue the recurring lifecycle procurement and tech refreshes of commercial based hardware and software components - Support Special Access Program (SAP) Mission Planning and Distribution System (SMPDS) software and hardware requirements to fully enable SAP weapon system planning, analyzation, and integration procedures for Operational Planning - Accelerate nuclear modernization and leverage innovative technologies to improve cybersecurity posture against evolving threats - Accelerate development of new capabilities to support conventional nuclear integration - Incorporate artificial intelligence capabilities into system health and status monitoring, cybersecurity defense monitoring, exercise scenario generation, and other user defined use cases FY 2026 to FY 2027 Increase/Decrease Statement: The FY27 increase will be used to accelerate modernization in order to improve cybersecurity posture against evolving threats, accelerate development of new capabilities to support conventional-nuclear integration, and incorporate artificial intelligence capabilities into system health and status monitoring, cybersecurity defense monitoring, exercise scenario generation, and user training.											
Accomplishments/Planned Programs Subtotals							55.802	62.582	77.921		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 833570: Strategic Mission Planning & Execution System	7.376	6.383	9.366	-	9.366	7.422	10.013	10.205	10.409	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The Strategic Mission Planning and Execution System (SMPES) program will implement Agile DevSecOps Continuous Integration/Continuous Delivery (CI/CD) to develop and modernize software for combatant commanders; producing a secure software development environment located in existing space at Offutt AFB, NE and other locations. Software development environment will meet classification/security regulations/criteria, which will promote competition. The program will consider the											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)	Project (Number/Name) 675029 / Strategic Mission Planning & Execution System
best contract options to implement the Agile DevSecOps CI/CD strategy. Other activities are also accomplished through the use of various contracting vehicles such as Military Interdepartmental Purchase Requests (MIPRs). The acquisition strategy builds agile software engineering solutions and modification of existing capabilities using an evolutionary acquisition approach to standardize SMPES. SMPES will leverage commercial best practices of Agile DevSecOps to integrate 6 services into a system of services construct. SMPES operates under the authority of Department of Defense Instruction (DoDI) 5000.87, Software Acquisition Pathway (SWP). SMPES will leverage both small and large business contracts for application and system services. Program management for SMPES is under the direction of Program Executive Officer (PEO) Air Force Nuclear Weapons Center (AFNWC), located at Hanscom AFB, MA. AFNWC and the 55th Contracting Squadron at Offutt AFB, NE are the contracting authorities for the SMPES program. AFNWC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)				Project (Number/Name) 675029 / Strategic Mission Planning & Execution System					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Development - NPES, Targeting, Missiles	C/CPAF	Northrop Grumman : Bellevue, Offutt AFB, NE	-	20.026	Dec 2024	20.420	Dec 2025	27.905	Dec 2026	-		27.905	Continuing	Continuing	-
Primary Development - Air Vehicle & Quality Review-Mission Planning & Analysis Common Service (QR MPACS)	C/CPAF	Leidos : Bellevue, Offutt AFB, NE	-	8.327	Dec 2024	9.326	Dec 2025	12.745	Dec 2026	-		12.745	Continuing	Continuing	-
Primary Development - Global Strike & Intell	C/CPAF	Lockheed Martin : Bellevue, Offutt AFB, NE	-	3.928	Dec 2024	6.021	Dec 2025	8.702	Dec 2026	-		8.702	Continuing	Continuing	-
Primary Development - DDVT	C/CPAF	Katmai : Bellevue, Offutt AFB, NE	-	0.341	Nov 2024	0.426	Nov 2025	0.521	Nov 2026	-		0.521	Continuing	Continuing	-
Rouge Blue Software	C/CPAF	Various : Various, NE	-	5.152	Dec 2024	6.132	Dec 2025	6.377	Dec 2026	-		6.377	Continuing	Continuing	-
SMPES Data Visualizer Development	C/CPAF	Northrop Grumman : Bellevue, Offutt AFB, NE	-	1.642	Jan 2025	1.795	Jan 2026	2.195	Jan 2027	-		2.195	Continuing	Continuing	-
Development and Integration - SMPES Platform	C/CPAF	Northrop Grumman : Bellevue, Offutt AFB, NE	-	0.579	Aug 2025	1.507	Aug 2026	1.843	Aug 2027	-		1.843	Continuing	Continuing	-
Johns Hopkins / National Strategic Research Institute	C/CPAF	Various : Various, NE	-	0.942	Jan 2025	1.080	Jan 2026	1.123	Jan 2027	-		1.123	Continuing	Continuing	-
Subtotal			-	40.937		46.707		61.411		-		61.411	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DevOps Support	C/FP	Various : Bellevue, Offutt AFB, NE	-	5.893	Jan 2025	6.127	Jan 2026	6.372	Jan 2027	-		6.372	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)						Project (Number/Name) 675029 / Strategic Mission Planning & Execution System			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Engineering Services	C/FFP	Various : Bellevue, Offutt AFB, NE	-	1.374	Feb 2025	1.855	Feb 2026	1.929	Feb 2027	-		1.929	Continuing	Continuing	-
Engineering Support	C/CPAF	Various : Bellevue, Offutt AFB, NE	-	4.511	Feb 2025	4.515	Feb 2026	4.696	Feb 2027	-		4.696	Continuing	Continuing	-
Subtotal			-	11.778		12.497		12.997		-		12.997	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	SS/TBD	Various : Bellevue, Offutt AFB, NE	-	0.933	Feb 2025	1.177	Feb 2026	1.224	Feb 2027	-		1.224	Continuing	Continuing	-
Subtotal			-	0.933		1.177		1.224		-		1.224	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSC	C/Various	Various : Bellevue, Offutt AFB, NE	-	2.154	Nov 2024	2.201	Nov 2025	2.289	Nov 2027	-		2.289	Continuing	Continuing	-
Subtotal			-	2.154		2.201		2.289		-		2.289	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	55.802		62.582		77.921		-		77.921	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)								Project (Number/Name) 675029 / Strategic Mission Planning & Execution System			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304100F / Strategic Mission Planning & Execution System (SMPES)	Project (Number/Name) 675029 / Strategic Mission Planning & Execution System

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Software Acquisition Pathway Continuous Software Delivery				
Continuous development and delivery of working software on a 2-week sprint cadence. Continuous feedback is implemented through customer channels. Supporting events include Quality Design and Build.	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0304109F I THRESHER							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.103	0.109	0.000	0.109	0.113	0.115	0.117	0.119	Continuing	Continuing
675222: THRESHER	0.000	0.000	0.103	0.109	0.000	0.109	0.113	0.115	0.117	0.119	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program funds technology development, testing, and support to USAF warfighter real time access to Thresher. Additionally, this program develops technology to expand data sources and enhance analytics within Thresher to improve fidelity of the air and maritime picture for the USAF warfighter.

Thresher is an National Reconnaissance Office (NRO) program of record to provide a situational awareness capability to produce a high-fidelity real-time multi-domain picture by integrating data from multiple sources and security levels. Thresher makes this information available to tactical (warfighter) and strategic (national intelligence) users at multiple security levels.

Technology developed in this program is transitioned into the Thresher baseline.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY24 0.00M was expended for civilian pay expenses in this program element, and in FY25 00.00M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0304109F I THRESHER					
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		0.000	0.105	0.000	0.000	0.000	
Current President's Budget		0.000	0.103	0.109	0.000	0.109	
Total Adjustments		0.000	-0.002	0.109	0.000	0.109	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	0.000				
• Other Adjustments		0.000	-0.002	0.109	0.000	0.109	
Change Summary Explanation							
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: Technology Development					0.000	0.103	0.109
Description: Initiative funds technology development, testing, and support for USAF warfighter real time access to NRO Thresher. Additionally, develops technology to expand data sources and enhance analytics within Thresher to improve fidelity of the air and maritime picture for the USAF warfighter.							
FY 2026 Plans:							
Will develop technology to enhance real-time USAF warfighter access to, expand data sources to, and enhance analytic capabilities within Thresher.							
FY 2027 Plans:							
Will develop technology to enhance real-time USAF warfighter access to, expand data sources to, and enhance analytic capabilities within Thresher.							
FY 2026 to FY 2027 Increase/Decrease Statement:							
Continue to develop technology to enhance real-time USAF warfighter access to, expand data sources to, and enhance analytic capabilities within Thresher.							
Accomplishments/Planned Programs Subtotals					0.000	0.103	0.109

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0304109F I THRESHER	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy This effort funds necessary development, testing, and support for USAF Warfighter near real time access to Thresher. Funds will be sent to Other Government Agencies (OGAs) via Military Interdepartmental Purchase Request (MIPR) for execution.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304109F / THRESHER				Project (Number/Name) 675222 / THRESHER					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Development	MIPR	Other Government Agency : TBD	-	-		0.103	Dec 2025	0.109	Dec 2026	-		0.109	Continuing	Continuing	-
Subtotal			-	-		0.103		0.109		-		0.109	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		0.103		0.109		-		0.109	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0304109F / THRESHER					675222 / THRESHER			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Technology Development																												
Technology Developed, Evaluated, and Released																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304109F / THRESHER	Project (Number/Name) 675222 / THRESHER

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Technology Development				
Technology Developed, Evaluated, and Released	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	PE 0304260F I Airborne SIGINT Enterprise											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	92.473	98.650	98.319	0.000	98.319	88.109	65.752	70.177	60.742	Continuing	Continuing
675180: <i>RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)</i>	0.000	41.906	41.882	28.621	0.000	28.621	30.566	31.575	32.484	33.436	Continuing	Continuing
675183: <i>Common Development (Airborne SIGINT Development - Common Development)</i>	0.000	30.535	30.348	55.016	0.000	55.016	49.349	26.911	29.853	19.277	Continuing	Continuing
675185: <i>COMPASS BRIGHT</i>	0.000	9.727	9.937	8.900	0.000	8.900	2.100	1.000	1.400	1.400	Continuing	Continuing
675186: <i>Special Programs (Airborne SIGINT Development - Special Platforms)</i>	0.000	10.305	16.483	5.782	0.000	5.782	6.094	6.266	6.440	6.629	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Airborne SIGINT Enterprise (ASE) Program Element (PE) funds for airborne Signals Intelligence (SIGINT) research, development, test and evaluation (RDT&E) to execute the 2026 National Defense Strategy (NDS) and the 2024 Air Force Intelligence, Surveillance, and Reconnaissance (ISR) Planning and Programing Guidance (IP2G).

The future ISR portfolio will consist of multi-domain, multi-intelligence systems to meet emerging threats across the entire conflict spectrum. ASE is integral to developing the SIGINT component of a multi-domain, multi-ISR system capable of maintaining the warfighter's decision advantage through all ranges of military operations, including highly contested environments (HCEs).

To ensure alignment with congressional intent, urgent combatant command requirements, and departmental priorities, the Air Force established the SIGINT Capabilities Working Group (SCWG) to guide, prioritize, and synchronize enterprise SIGINT sensor technology investments at the headquarters level. ASE program funds are distributed to projects based on SCWG development priorities. When required, the USAF may move funds between ASE projects, developing the highest priority projects in response to urgent (e.g., JUON) and emerging (e.g., JEON) warfighter needs.

ASE participates in the development, integration, testing, and implementation of data and architecture standards to ensure joint, allied, and coalition interoperability with ASE fielded systems. ASE leads the modernization efforts including existing airborne platform sensors and algorithms, and where appropriate, their interfaces with ground systems, the broader sensing grid, and the DAF Battle Network.

ASE capabilities span all levels of conflict and operate throughout the permissive, contested, and highly contested environments.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0304260F I Airborne SIGINT Enterprise				
Additional details are available at the appropriate classification level.						
This PE received \$11.8 million due to a Rapid Acquisition Authority adjudicated requirement in FY 2025.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		85.284	90.650	0.000	0.000	0.000
Current President's Budget		92.473	98.650	98.319	0.000	98.319
Total Adjustments		7.189	8.000	98.319	0.000	98.319
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	8.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		7.189	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	98.319	0.000	98.319
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 675186: Special Programs (Airborne SIGINT Development - Special Platforms)						
Congressional Add: Special Programs						
Congressional Add Subtotals for Project: 675186						
Congressional Add Totals for all Projects						
Change Summary Explanation						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
In FY 2025, \$1.200 million was reprogrammed to ASE to support JUON CC-0589 under project [675183].						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0304260F I Airborne SIGINT Enterprise	
In FY 2025, \$2.000 million was reprogrammed to ASE program to support Special Programs project [675186]. In FY 2025, \$4.000 million was reprogrammed to ASE program to support CRESTONE effort under project [675183].		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675180 / RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675180: RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)	0.000	41.906	41.882	28.621	0.000	28.621	30.566	31.575	32.484	33.436	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports design, engineering analysis, non-recurring engineering, development, test, and integration of RC-135 SIGINT sensor capabilities and their associated air and ground components. By extensively utilizing commercial-off-the-shelf (COTS) based solutions to field needed capabilities, this project must continuously identify suitable replacements for components affected by Diminishing Manufacturing Sources and integrate with the COTS technology cycle. These efforts provide required engineering for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations integrated into the various baseline modifications. Funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. These funds will be disbursed among the RC-135V/W RIVET JOINT, the RC-135U COMBAT SENT, and the RC-135S COBRA BALL programs. Funding reflects the SIGINT Capabilities Working Group (SCWG) priorities and the accomplishment of other Airborne SIGINT Enterprise initiatives.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: RC-135 SIGINT Development	41.906	41.882	28.621
Description: Non-Recurring Engineering for the RC-135 signals intelligence systems. See Classified Budget Exhibits (PE 0305207F)			
FY 2026 Plans: - Deliver 6 capabilities for Baseline 15, continue 14 efforts for Baseline 15 and begin 2 new efforts for baseline 16. -Continue SIGINT development efforts for the RC-135 fleet to include new signal sets and upgrades to current capabilities. See PE 0305207F for classified details. Classified requirements POC is HAF AF/A2OO (704) 614-7317.			
FY 2027 Plans: - Will Deliver 9/3 capabilities for Baseline 15/16, continue 4 efforts for Baseline 16 and begin 4 new efforts for baseline 16. -Will continue SIGINT development efforts for the RC-135 fleet to include new signal sets and upgrades to current capabilities. See PE 0305207F for classified details. Classified requirements POC is HAF AF/A2OO (704) 614-7317.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675180 / RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)			

B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027
Funding decreased due to a database error. \$17.116M will be realigned from Common Development [675183] for a total of \$45.737M.									
Once corrected, funding increased due to increased Air Force development in Counter-Long Range Kill Chain initiatives. Additional details available at a higher classification.									
Accomplishments/Planned Programs Subtotals							41.906	41.882	28.621

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item DARPO1: RC-135	222.966	226.333	231.415	-	231.415	236.228	240.921	-	-	Continuing	Continuing

Remarks

The funds within Program 0305207F procure all necessary aircraft modifications for the RC-135 program and include those funds necessary to field SIGINT capabilities developed under Project 675180 of the ASE. Not all procurement funds in #DARPO1: RC-135 are for ASE SIGINT projects.

D. Acquisition Strategy

Aircraft, aircraft sensor systems, and associated ground support system modifications planned include the procurement, fielding and logistical support for future RC-135V/W RIVET JOINT, RC-135U COMBAT SENT and RC-135S COBRA BALL baseline configurations. Development and integration is managed by the Big Safari Systems Group. They employ evolutionary acquisition approaches to field incremental capability improvements.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675180 / RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RC-135 SIGINT Development	SS/ Various	L3 Harris : Greenville, TX	-	41.906	Jan 2025	41.882	Jan 2026	28.621	Jan 2027	-		28.621	Continuing	Continuing	-
Subtotal			-	41.906		41.882		28.621		-		28.621	Continuing	Continuing	N/A
Remarks															
Above contract method/type will be CPFF and FFP															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	41.906		41.882		28.621		-		28.621	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise					Project (Number/Name) 675180 / RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Development of RC-135 mission sensors																												
Development of RIVET JOINT mission sensors (see 0305207F for classified details)																												
Development of COMBAT SENT mission sensors (see 0305207F for classified details)																												
Development of COBRA BALL mission sensors (see 0305207F for classified details)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675180 / RC-135 (Airborne SIGINT Development - RC-135 Rivet Joint)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Development of RC-135 mission sensors				
Development of RIVET JOINT mission sensors (see 0305207F for classified details)	1	2025	4	2031
Development of COMBAT SENT mission sensors (see 0305207F for classified details)	1	2025	4	2031
Development of COBRA BALL mission sensors (see 0305207F for classified details)	1	2025	4	2031

Note
Requirements documentation is classified. Classified requirements POC is HAF AF/A2/6UO (703) 614-7317.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675183: Common Development (Airborne SIGINT Development - Common Development)	0.000	30.535	30.348	55.016	0.000	55.016	49.349	26.911	29.853	19.277	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, a database error misplaced \$17.116 million in Common Development [675183]. Funding will be used to support RC-135 project [675180] as outlined below.

A. Mission Description and Budget Item Justification

The Common Development project supports airborne SIGINT design studies, engineering analysis, non-recurring engineering (NRE), program management, risk reduction, and other efforts to field SIGINT sensors and their associated air and ground components. The Common Development project also supports the development and integration of new sensor capabilities, quick reaction capabilities, and capabilities to address emerging needs as identified by the SIGINT Capabilities Working Group (SCWG). Finally, the Common Development project supports replacement components affected by Diminishing Manufacturing Sources and Material Shortages (DMSMS).

Future SIGINT sensors are being developed through the implementation of open architecture (OA) concepts that enable the rapid integration of new signals of interests. Future SIGINT sensor efforts will address needs identified in the ISR Planning and Programing Guidance (IP2G) in order to sustain SIGINT operations in a highly contested environment. The efforts include, but are not limited to, demonstrating the Phoenix OA software on a CI-6 family of systems sensor on a current USAF platform with USAF ground station integration (e.g. Distributed Common Ground System (DCGS)); conducting CI-6 family of systems sensor improvements through Phoenix OA software; expanding Phoenix OA software beyond the CI-6 family of systems; developing Low-Cost UAS Sensor Technology (LOCUST) for inclusion into small UAS; and furthering the development of CRESTONE to counter emerging threats. This project also addresses ACC Tier 1 and 2 exploitation needs by hosting signals of interest exploitation software on scalable SIGINT sensors to support rapid deployment on a variety of USAF platforms by developing NORTHSTAR. This project will develop RANGERS to further miniaturize the form-factor of tactical aircraft roll-on/roll-off collection systems.

This project also supports overarching Airborne SIGINT Enterprise (ASE) common development to include, but not limited to SIGINT modeling and simulation efforts and technology development and risk reduction through the Air Force Research Lab managed Open Architecture Technology Lab (OATL). Capability improvements needed to exploit service identified signals of interest will be identified as priorities by the SCWG. This project provides the warfighter increased SIGINT combat capability via rapid acquisition. Capability enhancements are implemented as soon as the ASE technology achieves satisfactory risk levels. ASE developed sensors will be prototyped, integrated and tested on available platforms, funding permitting.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Common SIGINT Development	30.535	30.348	37.900

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)

B. Accomplishments/Planned Programs (\$ in Millions)

Description: Develop, integrate, and test common open architecture (OA) compliant SIGINT systems to include but not limited to CI-6/Phoenix, LOCUST, and CRESTONE. Additionally, develop and test capabilities through the Open Architecture Technology Lab (OATL) for current and future SIGINT sensors. CI-6/Phoenix has successfully delivered phase 1 of its OA software, LOCUST has completed development of prototype distributed sensor system, and CRESTONE fielded 18 units.

FY 2026 Plans:

- Continue to develop new signals capabilities and enhancements. Details are classified.
- Enhancing OATL infrastructure to support future SIGINT sensor development and testing.
- Continue to pursue capability development and risk reduction and necessary follow-on Phoenix OA support to CI-6/SP-5 Family of Systems, building upon integration following assessments and demonstrations efforts conducted in FY 2024 and FY 2025.
- Deliver drop 2 and 3 of the Phoenix OA Software aligned with Big Iron to multiple end users, continue to integrate third-party applications for signals of interest, and assess single-ship/multi-ship geolocation abilities. All other details are classified.
- Continue to test and evaluate OA compliance of SIGINT sensor prototypes in the OATL.
- Continue to develop capabilities that address emerging needs, as identified by the SCWG.
- Continue LOCUST development, integration and test efforts with a focus on autonomy, real-life test event, and large-scale flight test on small UAS. Additionally, continue to develop detection and geolocation capabilities of CENTCOM and PACOM signals of interest. Details are classified.
- Continue to develop, prototype, and test new software/hardware capabilities and form factors for the CRESTONE system. Details are classified.

FY 2027 Plans:

- Will continue to develop new signals capabilities and enhancements. Details are classified.
- Will continue to enhance OATL infrastructure to support future SIGINT sensor development and testing.
- Will pursue new capability development and risk reduction and necessary follow-on Phoenix OA support to CI-6/SP-5 Family of Systems, building upon integration following assessments and demonstration efforts conducted in FY 2024, FY 2025, and FY 2026.
- Will deliver bi-annual releases of Big Iron-compliant Phoenix OA Software to multiple end users (CI-6/SP-5/Others), explore new third-party signals of interest and integrate when required, and assess single-ship/multi-ship geolocation abilities. Details are classified.
- Will pursue expanding Phoenix OA software outside the current end users (CI-6/SP-5) and on to new advanced SIGINT sensors. Details are classified.
- Will continue to test and evaluate OA compliance of SIGINT sensor prototypes in the OATL.
- Will continue to develop capabilities that address emerging needs, as identified by the SCWG.

FY 2025	FY 2026	FY 2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise		Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Will continue LOCUST development, integration and test efforts with a focus on autonomy, real-life test event, and large-scale flight test on small UAS. Additionally, will continue to develop detection and geolocation capabilities of CENTCOM and PACOM signals of interest. Details are classified. - Will continue to develop, prototype, and test new software/hardware capabilities and form factors for the CRESTONE system. Details are classified. - Will develop RANGERS, a tactical aircraft roll-on/roll-off collection system effort to further miniaturize the system's form-factor, add Theater Net-Centric Geolocation (TNG), and expand the system's signal of interest (SOI) library to include ELINT threats. - Will develop NORTHSTAR to address ACC Tier 1 and 2 exploitation needs by hosting signals of interest exploitation software on scalable SIGINT sensors to support rapid deployment on a variety of USAF platforms. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to increased Air Force development in Counter-Long Range Kill Chain initiatives. Additional details available at a higher classification.					
Title: RC-135 SIGINT Development Description: Reference RC-135 effort, project 675180 (RC-135). FY 2026 Plans: N/A FY 2027 Plans: Reference RC-135 effort, project 675180 (RC-135). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to a database error. Reference RC-135 effort, project 675180 (RC-135). Once corrected, N/A.			0.000	0.000	17.116
Accomplishments/Planned Programs Subtotals			30.535	30.348	55.016
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)

D. Acquisition Strategy

SIGINT capabilities will be developed and integrated onto various platforms using an evolutionary acquisition approach to field incremental capability improvements, leveraging the OATL to incorporate platform agile, open system architecture. Attributable platforms and sensors will be evaluated as solutions to some requirements. Requirements are validated by ACC, and supported by the SCWG and other Combatant Commands (CCMDs).

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Open Architecture Technology Lab (OATL)	Various	AFRL / VTS / BRSC : Rome, NY	-	2.855	Oct 2024	2.000	Nov 2025	2.500	Oct 2026	-		2.500	Continuing	Continuing	-
CI-6 Sensor SW Development/Support (Phoenix OA)	C/CPFF	BAE Systems : Hudson, NH	-	13.326	Nov 2024	12.009	Nov 2025	14.000	Oct 2026	-		14.000	Continuing	Continuing	-
CI-6 Flight Test	C/CPFF	TBD : TBD	-	0.000	May 2025	0.500	Aug 2026	0.500	Dec 2026	-		0.500	Continuing	Continuing	-
CRESTONE	Various	DOE / SNL/ vaious others : Albuquerque, NM	-	8.375	Dec 2024	6.757	Nov 2025	7.300	Nov 2026	-		7.300	Continuing	Continuing	-
LOCUST	Various	AFRL/VTS/BRSC/ MITRE/L3H : Rome, NY	-	4.454	Oct 2024	5.129	Nov 2025	5.619	Nov 2026	-		5.619	Continuing	Continuing	-
RANGERS	Various	TBD : TBD	-	0.000	Oct 2024	0.000	Oct 2025	2.215	Nov 2026	-		2.215	Continuing	Continuing	-
NORTHSTAR	Various	TBD : TBD	-	0.000	Oct 2024	0.000	Oct 2025	1.450	Nov 2026	-		1.450	Continuing	Continuing	-
JUON-0589	Various	TBD : TBD	-	0.000	Oct 2025	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Funds aligned to RC-135 [675180]	SS/ Various	L3 Harris : Greenville, TX	-	0.000	Jan 2025	0.000	Jan 2026	17.116	Jan 2027	-		17.116	Continuing	Continuing	-
Subtotal			-	29.010		26.395		50.700		-		50.700	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Various : Dayton, OH	-	1.525	Jan 2025	3.953	Jan 2026	4.316	Jan 2027	-		4.316	Continuing	Continuing	-
Subtotal			-	1.525		3.953		4.316		-		4.316	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	30.535		30.348		55.016		-		55.016	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force							Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise			Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)			
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks - Open Architecture Technology Lab (OATL) technology development and risk reduction efforts will continue to demonstrate rapid technology insertion.										

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise		Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SIGINT Common Development																												
Open Architecture Technology Lab (OATL)																												
Future SIGINT Programs																												
CI-6/Phoenix																												
CRESTONE																												
LOCUST																												
JUON-0589																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675183 / Common Development (Airborne SIGINT Development - Common Development)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SIGINT Common Development				
Open Architecture Technology Lab (OATL)	1	2025	4	2031
Future SIGINT Programs	1	2025	4	2031
CI-6/Phoenix	1	2025	4	2031
CRESTONE	1	2025	4	2031
LOCUST	1	2025	2	2031
JUON-0589	1	2025	3	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675185 / COMPASS BRIGHT			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675185: COMPASS BRIGHT	0.000	9.727	9.937	8.900	0.000	8.900	2.100	1.000	1.400	1.400	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, a database error misplaced \$2.882 million in COMPASS BRIGHT [675185]. Funding will be used to support or Special Programs [675186] as outlined below.

A. Mission Description and Budget Item Justification

The COMPASS BRIGHT project develops Signals Intelligence (SIGINT) and Radio Frequency Measurement and Signature Intelligence (MASINT) capabilities for transition to Department ISR systems. COMPASS BRIGHT pursues SIGINT technologies for project transition, to include Communications Intelligence (COMINT), Electronic Intelligence (ELINT), Audio, Analytics, and Special Signals of Interest. COMPASS BRIGHT will pursue multi-INT cross-cue and fusion capabilities from other disciplines such as Geospatial Intelligence (GEOINT) in order to create a holistic ISR picture for the warfighter and the Intelligence Community (IC). COMPASS BRIGHT projects are selected through an annual data call process whereby the SIGINT Capabilities Working Group (SCWG) evaluates proposals from the laboratories, systems, and classified mission partners.

The program office authority extends to accomplishment of out-of-cycle COMPASS BRIGHT efforts. These tasks may be filtered through the SCWG outside the normal vetting process to expedite acquisition of capabilities for the warfighter.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: COMPASS BRIGHT Tech Development	9.727	9.937	6.018
Description: Develops SIGINT and MASINT capabilities areas for transition to Department ISR systems.			
FY 2026 Plans:			
- Continue or complete COMPASS BRIGHT awarded and ongoing projects based on established schedules.			
- Continue to solicit projects addressing collection of high priority signals of interest.			
- Continue to develop new signal capabilities and enhancements.			
- Continue to fund low TRL capabilities that address emerging warfighter needs as identified by the SCWG.			
FY 2027 Plans:			
- Will continue to complete COMPASS BRIGHT ongoing projects based on established schedules.			
- Will continue to develop new signal capabilities and enhancements.			
- Will continue to fund low TRL capabilities that address emerging needs as identified by the SCWG.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675185 / COMPASS BRIGHT			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
Funding decreased due to higher Air Force Priorities.											
Title: SIGINT Development								0.000	0.000	2.882	
Description: Reference SIGINT Development, project 675186 (Special Programs).											
FY 2026 Plans: N/A											
FY 2027 Plans: Reference SIGINT Development, project 675186 (Special Programs).											
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to a database error. Reference SIGINT Development, project 675186 (Special Programs).											
Once corrected, N/A.											
Accomplishments/Planned Programs Subtotals								9.727	9.937	8.900	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item DARP01: RC-135	222.966	226.333	231.415	-	231.415	236.228	240.921	-	-	Continuing	Continuing
• APAF 06 Line Item DARP01: RC-135	56.408	57.321	58.617	-	58.617	59.836	61.025	-	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Air Force Life Cycle Management Center/Intelligence, Surveillance, and Reconnaissance and Special Operations Forces Directorate (AFLCMC/WI) will execute COMPASS BRIGHT efforts through technology maturation contracts. COMPASS BRIGHT leverages existing relationships with mission partners to mature SIGINT and MASINT technology for ASE.											
On an annual basis, the SIGINT Capabilities Working Group (SCWG) reviews developmental technologies against warfighter capabilities and requirements based on strategic roadmaps. SIGINT and MASINT proposals are evaluated and prioritized into a recommended list for senior executive direction to implement for the coming fiscal year.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675185 / COMPASS BRIGHT					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
COMPASS BRIGHT	Various	Multiple : Various	-	1.350	Nov 2024	2.372	Nov 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
AFRL/RI Projects	C/CPFF	Multiple : Rome/ Griffiss	-	6.133	Nov 2024	5.861	Nov 2025	4.078	Nov 2026	-		4.078	Continuing	Continuing	-
Funds aligned to Special Programs [675186]	Various	Various : Various	-	-		-		2.882	Jan 2027	-		2.882	Continuing	Continuing	-
Subtotal			-	7.483		8.233		6.960		-		6.960	Continuing	Continuing	N/A
Remarks															
On an annual basis, the SIGINT Capabilities Working Group (SCWG) reviews developmental technologies against warfighter capabilities and requirements based on strategic roadmaps. SIGINT and MASINT proposals advancing the technological maturity of promising sensors and processing capabilities are evaluated and prioritized into a recommended list for senior executive direction to implement for the coming fiscal year.															
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Bright PMA	Various	Various : Various, OH	-	2.244	Jan 2025	1.704	Jan 2026	1.940	Jan 2027	-		1.940	Continuing	Continuing	-
Subtotal			-	2.244		1.704		1.940		-		1.940	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.727		9.937		8.900		-		8.900	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity								R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7								PE 0304260F / Airborne SIGINT Enterprise						675185 / COMPASS BRIGHT			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
COMPASS BRIGHT																												
SIGINT Technologies																												
- ELINT Programs																												
- COMINT Programs																												
- Special Signals Programs																												
- Audio Programs																												
- Analytics Programs																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675185 / COMPASS BRIGHT	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
COMPASS BRIGHT				
SIGINT Technologies	1	2025	4	2031
- ELINT Programs	1	2025	4	2031
- COMINT Programs	1	2025	4	2031
- Special Signals Programs	1	2025	4	2031
- Audio Programs	1	2025	4	2031
- Analytics Programs	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675186 / Special Programs (Airborne SIGINT Development - Special Platforms)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675186: Special Programs (Airborne SIGINT Development - Special Platforms)	0.000	10.305	16.483	5.782	0.000	5.782	6.094	6.266	6.440	6.629	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This project supports special SIGINT studies as well as the development and integration of advanced SIGINT capabilities for special programs including, but not limited to: quick reaction capability sensors, processing, exploitation, and dissemination associated with these systems, and other efforts approved by the USAF SIGINT Capabilities Working Group (SCWG). Development efforts will include, but are not limited to: new signal sets, antenna improvements, sensitivity upgrades, data distribution upgrades, and new/advanced deployment capabilities. This project provides the warfighter near term combat capabilities with increased capability improvements, accomplished as technologies and risks achieve satisfactory levels. Sensors will be integrated and tested on various platforms including the MQ-9A Unmanned Aerial System.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: SIGINT Development									10.305	8.483	5.782	
Description: Develop, update, and test SIGINT capabilities for Quick Reaction Capability (QRC) and normalized special programs SIGINT projects.												
FY 2026 Plans: - Continue to modernize SIGINT systems used by the MQ-9A and other platforms. Additional details are classified.												
FY 2027 Plans: - Will continue to modernize SIGINT systems used by the MQ-9A and other platforms. Additional details are classified.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to a database error. \$2.882M will be realigned from COMPASS BRIGHT [675185] for a total of \$8.664M. Once corrected, funding increased due to inflation.												
Accomplishments/Planned Programs Subtotals									10.305	8.483	5.782	
									FY 2025	FY 2026		
Congressional Add: Special Programs									0.000	8.000		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675186 / Special Programs (Airborne SIGINT Development - Special Platforms)	
		FY 2025	FY 2026
FY 2025 Accomplishments: N/A			
FY 2026 Plans: - Support quick reaction capabilities (QRCs), protected position navigation and timing (PPNT), and development of government designed signal collection systems used across multiple platforms; to include every MQ-9A, select U-2, MQ-1C, and SAP customers and platforms.			
Congressional Adds Subtotals		0.000	8.000

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

D. Acquisition Strategy

SIGINT capabilities will be integrated on various classified platforms using an evolutionary acquisition approach. Capabilities and prototypes will be developed by Other Government Agencies and transitioned to select vendors as production needs develop.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise				Project (Number/Name) 675186 / Special Programs (Airborne SIGINT Development - Special Platforms)					

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Airborne SIGINT Development - Special Platforms	Various	Various : Various	-	9.868	Jan 2025	16.122	Jan 2026	5.385	Jan 2027	-		5.385	Continuing	Continuing	-
Subtotal			-	9.868		16.122		5.385		-		5.385	Continuing	Continuing	N/A

Remarks
Upgrades the quick reaction capability sensors already on the MQ-1/9 fleet

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Test	Various	Various : Various	-	0.437	May 2025	0.361	May 2026	0.397	May 2027	-		0.397	Continuing	Continuing	-
Subtotal			-	0.437		0.361		0.397		-		0.397	Continuing	Continuing	N/A

			Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	10.305	16.483	5.782	-	5.782	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise										Project (Number/Name) 675186 / Special Programs (Airborne SIGINT Development - Special Platforms)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SIGINT Development																												
MQ-9 Sensor 1 Modernization																												
MQ-9 Sensor 2 Modernization																												
MQ-9 Sensor Upgrades																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304260F / Airborne SIGINT Enterprise	Project (Number/Name) 675186 / Special Programs (Airborne SIGINT Development - Special Platforms)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SIGINT Development				
MQ-9 Sensor 1 Modernization	1	2025	4	2031
MQ-9 Sensor 2 Modernization	1	2025	4	2031
MQ-9 Sensor Upgrades	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0304310F I Commercial Economic Analysis							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	4.546	4.070	1.713	0.000	1.713	1.892	1.982	2.064	2.152	Continuing	Continuing
675896: Commercial Economic Analysis	0.000	4.546	4.070	1.713	0.000	1.713	1.892	1.982	2.064	2.152	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

To preserve Department of the Air Force and DoD military advantage from commercial and economic risk and identify commercial and economic opportunities to develop asymmetric advantage, the Office of Commercial and Economic Analysis (OCEA) produces in-depth analytical assessments and advanced risk mitigation strategies based on commercially available industry, market, and economic information. OCEA works with the HAF/SAF and Components to develop these strategies and establish market-based capabilities for the protection of the National Security Innovation Base, Defense Industrial Base, and the overall Industrial competitiveness of the United States.

The funding request provides for an enterprise analytic framework for providing aggregate risk insights, mitigation strategies, and impact analytic products. The funding also supports continuous assessment of the commercially available information to ensure it is accurate, current, and relevant.

Reduced Service Contracts by \$2.498M.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In PY 0.00M was expended for civilian pay expenses in this program element, and in CY 0.00M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0304310F I Commercial Economic Analysis				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	4.719	4.127	0.000	0.000	0.000	
Current President's Budget	4.546	4.070	1.713	0.000	1.713	
Total Adjustments	-0.173	-0.057	1.713	0.000	1.713	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	-0.057				
• Other Adjustments	-0.173	0.000	1.713	0.000	1.713	
Change Summary Explanation						
N/A						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Commercial Economic Analysis				4.546	4.070	1.713
Description: Develop solutions to protect the National Security Innovation Base from adversary information attacks and protect the U.S. technological advantage. Research, develop, test and evaluate Commercial Economic Analysis capabilities, systems, tools, data, products, and services through a disciplined, yet agile, process that ensures commercial economic modeling pilots, risk management constructs, decision support tools, and continuous monitoring capabilities are available for Air Force sectors and segments of the National Security Innovation Base.						
Additional classified details can be found in OSD Comptroller's classified Justification Book Volume 6.						
FY 2026 Plans: Continue to use existing contracts and Commercial Solutions Openings (CSO) purchase orders for a continuation of modular components and data architecture from work supporting risk management, risk migration and non-traditional support capabilities.						
FY 2027 Plans: Will continue to use existing contracts and Commercial Solutions Openings (CSO) purchase orders for a continuation of modular components and data architecture from work supporting risk management, risk migration and non-traditional support capabilities.						
FY 2026 to FY 2027 Increase/Decrease Statement:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0304310F I Commercial Economic Analysis							
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
Decrease is due to SBIR/STTR reductions.											
Accomplishments/Planned Programs Subtotals								4.546	4.070	1.713	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• O&M 030431F: Commercial Economic Analysis	21.227	18.995	19.281	-	19.281	19.388	20.266	20.802	-	Continuing	Continuing
Remarks											
N/A											
E. Acquisition Strategy											
Pursue competitively awarded contracts for follow-on to existing contract and task orders, with emphasis on system integration and corresponding data architectures. IDIQ task orders and specific system integration, cloud connectivity, and data contracts are the cornerstone of OCEA RDT&E activities.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304310F / Commercial Economic Analysis				Project (Number/Name) 675896 / Commercial Economic Analysis					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Data Integration	C/FFP	Dun & Bradstreet : Reston, VA	-	1.140	May 2025	1.160	May 2026	0.213	May 2027	-		0.213	Continuing	Continuing	-
Data Applications	C/FP	Strider, Craft, Bluefoot : Fairfax, VA	-	3.012	Jul 2025	2.703	Jul 2026	1.500	Jul 2027	-		1.500	Continuing	Continuing	-
Subtotal			-	4.152		3.863		1.713		-		1.713	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Hosting Services	SS/FFP	AWS (C2S) : Seattle, WA	-	0.394	May 2025	0.207	May 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	0.394		0.207		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.546		4.070		1.713		-		1.713	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity										R-1 Program Element (Number/Name)									
3600 / 7										PE 0304310F / Commercial Economic Analysis									
										Project (Number/Name)									
										675896 / Commercial Economic Analysis									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OCEA																												
Competitive Assessments																												
SBIR/STTR Due Diligence																												
Continuous Assessment Capability																												
Integrate External Applications																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304310F / Commercial Economic Analysis	Project (Number/Name) 675896 / Commercial Economic Analysis	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
OCEA				
Competitive Assessments	1	2025	4	2031
SBIR/STTR Due Diligence	1	2025	4	2031
Continuous Assessment Capability	1	2025	4	2031
Integrate External Applications	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0304784F I Long Endurance - Airborne ISR							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	16.570	0.000	16.570	0.000	0.000	0.000	0.000	0.000	16.570
675922: Capability Enhancements	0.000	0.000	0.000	16.570	0.000	16.570	0.000	0.000	0.000	0.000	0.000	16.570
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Prior Years Funding \$71.742 million was executed in PE 0305206F

A. Mission Description and Budget Item Justification

Long Endurance - Airborne Intelligence, Reconnaissance, and Surveillance

The Long Endurance - Airborne Intelligence, Surveillance, and Reconnaissance (LE-AISR) program develops, matures, demonstrates, and assesses airborne platform capabilities that are able to operate for extended periods of time. The LE-AISR PE supports multiple types of long endurance programs intended to augment current airborne ISR capabilities and fill existing capability gaps. LE-AISR consists of three efforts: Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA), High Altitude Long Endurance (HALE), and Emerging Capabilities. ULTRA is the only active effort in LE-AISR.

Activities also include studies and analysis to support both current program planning and future program planning.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F

In FY26, Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA) transitioned to PE 0304784F - LE-AISR from PE 0305206F - Airborne Reconnaissance Systems (ARS). This program is not a new start as ULTRA has been executing from 0305206F, historically. In FY27, High Altitude Long Endurance (HALE) will also transition to PE 0304784F LE-AISR from PE 0305206F - ARS to separate sensors and sensor platforms. This program is not a new start.

The FY 2026 spend plan amount for PE0304784F include \$0 thousand of discretionary and \$23,000 thousand of mandatory (reconciliation) for a total of \$23,000 thousand.

Submitted an FY26 Internal Reprogramming (IR) for 20.170 million for ULTRA, an Internal Reprogramming (IR) will be processed aligning the funding to PE0304784F for proper execution.

Airborne Reconnaissance Systems, received a Congressional add for FY2026 15.000 million for long endurance ISR. Upon Congressional spend plan approval, an Internal Reprogramming (IR) will be processed aligning the funding to PE0304784F for proper execution.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0304784F I Long Endurance - Airborne ISR	
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year. Program Title: ULTRA LE-AISR will develop the Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA) prototype, demonstrate, and transition this emerging capability. The Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA) prototype is developed to support airborne LE-AISR and demonstrate this technology in an Operational Assessment (OA). ULTRA is an Air Force-led technology and concept development effort to demonstrate an Unmanned Aerial System (UAS) that is capable of multiple-day duration flights while maintaining affordability. ULTRA leverages commercial-off-the-shelf (COTS) technologies to minimize expensive custom/proprietary items while at the same time simplifying maintenance and manpower costs. The payload integration for ULTRA maintains a modular and flexible architecture to allow for rapid integration of customer-driven payload options. ULTRA leverages and builds off the successes and lessons learned of several AFRL, DoD, and other partner funded development efforts, including the Long Endurance Aerial Platform (LEAP) UAS. The initial ULTRA UAS was developed in 2018 and flight-tested in 2019. In 2020 ULTRA performed limited operational test and evaluation over a six-month period, the results of which informed payload and system requirements to meet current and future needs. ULTRA is an affordable ultra-long endurance ISR platform that is responsive to current and future needs. FY24 funding acquired 4 upgraded platforms. FY25 funding supports platform upgrades, integration, and training. FY26 funding will support an OCONUS OA in CENTCOM's Area of Responsibility (AOR), which is the next step (operational testing and evaluation) in developing the ULTRA system. This assessment will begin with the OCONUS OA in FY26. FY27 funding will continue the OA and fund needed capability improvements to meet user requirements. The ULTRA effort is not a new start. It is a flight demonstration of the ULTRA program, which includes an upgraded platform with Multi-INT capabilities. The ULTRA program was previously executed in FY 2024 under the Endurance Uncrewed Aerial Vehicles project and in FY 2025 under the Airborne Reconnaissance System. Program Title: HALE High Altitude Long Endurance (HALE) assets provide risk-reduction and alternative sensing capability employment options. This effort will initiate the pre-acquisition activity to develop a Family of Systems constellation to provide wide area intelligence, surveillance, and reconnaissance in highly contested environments. Program Title: Emerging Capabilities Emerging Capabilities advances the development, maturation, demonstration, and assessment of long endurance capabilities designed to address emerging and future challenges in dynamic operational environments. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0304784F I Long Endurance - Airborne ISR				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.000	0.000	0.000	0.000	0.000	
Current President's Budget	0.000	0.000	16.570	0.000	16.570	
Total Adjustments	0.000	0.000	16.570	0.000	16.570	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	16.570	0.000	16.570	
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Uncrewed Long-endurance Tacitical Reconnaissance Aircraft (ULTRA) Operational Assessment				-	0.000	16.570
Description: This effort conducts integration and preparation work required to prepare the ULTRA platform for flight demonstration in operationally relevant environments in response to an urgent operational need. It leverages technologies and expertise from across all of the Air Force Research Laboratories, integrating and testing a variety of technologies.						
FY 2026 Plans: -Complete non-recurring engineering (NRE) and integration of Rotax 916 engine -Complete NRE and integration of line-of-sight (LOS) and beyond line-of-site (BLOS) command and control links -Complete integration and testing of sensor payloads. -Continue aircrew training for 4-ship operation. -Complete CONUS flight tests. -Finalize operational test preparation and OCONUS approvals/coordination leading up to an operational assessment of ULTRA in an operationally relevant environment.						
FY 2027 Plans: -Complete OA preparation activities -Complete aircrew training material -Complete aircrew training						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0304784F / <i>Long Endurance - Airborne ISR</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
-Conduct OA Phase 1 activities -Complete OA Phase 2 capability enhancement activities --Complete NRE and integration of relevant sensor payload --Complete NRE and integration of enhanced C2 architecture FY 2026 to FY 2027 Increase/Decrease Statement: This effort is not a new start; FY26 funding was realigned from O&M to RDTE				
Accomplishments/Planned Programs Subtotals		-	0.000	16.570
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Acquisition Strategy partnership between AFRL & AFLCMC/WING - AFRL focuses on NRE and materiel acquisition - AFLCMC/WING focuses on ULTRA OA -- OA Preparation -- Aircrew Training -- OA Execution AFLCMC/WING Contracting Strategy - Time and Materials; Cost-Plus Award Fee - Government Owned, Contractor Operated (GOCO) operational construct - Capability enhancements will be executed as engineering change proposals				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0304784F / Long Endurance - Airborne ISR				Project (Number/Name) 675922 / Capability Enhancements					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ULTRA Flight Demonstration	SS/CPFF	AFLCMC : WPAFB, OH	-	-		0.000	Oct 2025	16.155		-		16.155	0.000	16.155	-
Subtotal			-	-		0.000		16.155		-		16.155	0.000	16.155	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA: Other Govt Cost	Various	Not specified. : TBD	-	-		-		0.415		-		0.415	0.000	0.415	-
Subtotal			-	-		-		0.415		-		0.415	0.000	0.415	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		0.000		16.570		-		16.570	0.000	16.570	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0304784F / Long Endurance - Airborne ISR			Project (Number/Name) 675922 / Capability Enhancements

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ULTRA Operational Assessment																												
Line-of-Sight/Beyond Line- of-Sight Integration																												
Commercial-off-the-shelf (COTS) 916 Turbo Engine/Electronic Control Unit Integration																												
Payload Integration																												
Aircraft & Sensor Procurement (no fielding)																												
Aircrew Training Development																												
Operational Test and Evaluation prep activities																												
Operational Assessment Phase 1																												
Operational Assessment Phase 2																												
Operational Assessment Phase 3																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0304784F / Long Endurance - Airborne ISR	Project (Number/Name) 675922 / Capability Enhancements	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ULTRA Operational Assessment				
Line-of-Sight/Beyond Line- of-Sight Integration	3	2025	2	2026
Commercial-off-the-shelf (COTS) 916 Turbo Engine/Electronic Control Unit Integration	1	2025	3	2025
Payload Integration	1	2025	2	2026
Aircraft & Sensor Procurement (no fielding)	3	2025	3	2026
Aircrew Training Development	4	2025	1	2026
Operational Test and Evaluation prep activities	3	2025	1	2027
Operational Assessment Phase 1	1	2027	3	2027
Operational Assessment Phase 2	3	2027	2	2028
Operational Assessment Phase 3	2	2028	4	2028

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0305015F I C2 Air Operations Suite - C2 Info Services							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	15.742	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675218: Applications Development	0.000	15.742	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, PE 0305015F (C2 Air Operations Suite - C2 Info Services) efforts were transferred to PE 0305836F (Command and Control, Incident Management, Emergency Response Application) in order to continue existing and ongoing C2IMERA efforts in a standalone Program Element.

A. Mission Description and Budget Item Justification

This budget line funded the development of the Command and Control, Incident Management, Emergency Response Application (C2IMERA), a C2 system that enables commanders and staffs to generate and present ready forces to combatant commanders at the tactical, operational, and strategic levels.

In FY 2026, PE 0305015F (C2 Air Operations Suite - C2 Info Services) efforts were transferred to PE 0305836F (Command and Control, Incident Management, Emergency Response Application) in order to continue existing and ongoing C2IMERA efforts in a standalone Program Element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	13.524	0.000	0.000	0.000	0.000
Current President's Budget	15.742	0.000	0.000	0.000	0.000
Total Adjustments	2.218	0.000	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	2.624	0.000			
• SBIR/STTR Transfer	-0.406	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305015F / C2 Air Operations Suite - C2 Info Services		
<u>Change Summary Explanation</u> No funding has been requested under this program element since FY 2025.				
<u>C. Accomplishments/Planned Programs (\$ in Millions)</u>		FY 2025	FY 2026	
<i>Title:</i> Command and Control, Incident Management, Emergency Response Application (C2IMERA) <i>Description:</i> C2IMERA will improve Installation command and control by connecting people, integrating data, and automating daily operations. The aggregation of theater data and activities enhances Operational C2 as well as increases decision speed and operational advantage. This is accomplished by incorporating direct user feedback, connecting people, automating daily operations, and integrating data from myriad systems. C2IMERA receives input from users and system interfaces and the data is displayed on the real-time, interactive common operational picture (COP). C2IMERA provides automated updates via the COP, as well as notifications via emails and alerts, alleviating the need for briefings, meetings, and radio communication(s). <i>FY 2026 Plans:</i> No funding requested, please see PE 0305836F for FY 2026 plans <i>FY 2027 Plans:</i> No funding requested, please see PE 0305836F for FY 2027 plans <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> No funding requested, please see PE 0305836F		15.742	0.000	
Accomplishments/Planned Programs Subtotals		15.742	0.000	
<u>D. Other Program Funding Summary (\$ in Millions)</u>				
Line Item	FY 2025	FY 2026	FY 2027 Base FY 2027 OOO FY 2027 Total	FY 2028 FY 2029 FY 2030 FY 2031 Cost To Complete Total Cost
• RDTE 07 0604617F: <i>Agile Combat Support</i>	0.000	0.000	0.000 - 0.000	0.000 0.000 - - 0.000 0.000
<u>Remarks</u>				
<u>E. Acquisition Strategy</u>				
Using Software Acquisition Pathway (SWP), the acquisition strategy builds on agile software engineering methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. The desired end state is continuous delivery of software. This program is dependent on support from the All Domain Common Platform (ADCP).				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305015F / C2 Air Operations Suite - C2 Info Services	
Program management for the C2IMERA program is under direction of program executive office (PEO) Command, Control, Communication & Battle Management C3BM, located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for the C2IMERA program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305015F / C2 Air Operations Suite - C2 Info Services						Project (Number/Name) 675218 / Applications Development			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Development	C/Various	Leidos : Reston, VA	-	13.073	Nov 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	13.073		-		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Test Support	PO	96th Test Wing : Eglin, FL	-	0.170	Jan 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.170		-		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Program Support	C/Various	Not specified. : Hanscom AFB, MA	-	1.731	Jan 2025	-		-		-		-	Continuing	Continuing	-
C2IMERA Systems Engineer	SS/ Various	Not specified. : Hanscom AFB, MA	-	0.768	Oct 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	2.499		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.742		-		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305015F / C2 Air Operations Suite - C2 Info Services					675218 / Applications Development									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Software Development																												
C2IMERA Software development																												
Test																												
C2IMERA Test																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305015F / C2 Air Operations Suite - C2 Info Services	Project (Number/Name) 675218 / Applications Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Software Development				
C2IMERA Software development	1	2026	4	2030
Test				
C2IMERA Test	1	2026	4	2030

Note
See PE 0207522F, Airbase Air Defense Systems (ABADS), Project Number 675218, Applications Development for previous development events. In FY 2026, PE 0305015F, C2 Air Operations Suite - C2 Info Services, Project 675218, (Applications Development) efforts were transferred to PE 0305836F, (Command and Control, Incident Management, Emergency Response Application), Project 675218 (C2IMERA) in order to continue C2IMERA efforts in a standalone Program Element.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305020F I CCMD Intelligence Information Technology							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	1.836	1.547	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
674901: Ccmd Intelligence Information Technology	0.000	1.836	1.547	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Combatant Command Intelligence Enterprise Management Support Office (CCI EMSO) guides the development, modernization, alignment, and integration of Combatant Command Intelligence (CCI) enterprise IT capabilities and systems as part of the Defense Intelligence Enterprise (DIE). This program focuses on information technology (IT) and data centric gaps and builds consensus across the Combatant Commands (CCMDs), Combat Service Agencies (CSAs), and services to accelerate enterprise IT solutions to the Warfighter. CCI EMSO provides foundational data analytics and enterprise architecture research, modeling, and simulation across the Defense Intelligence Enterprise. This program includes a cloud-based research and assessment computing environment leveraging advance computing and storage technologies. It provides data-driven research, portfolio assessment and management, and decision support to enable OUSW(I&S)'s governance and management of the CCMD Intelligence Enterprise.

CCMDs require a cohesive, flexible innovative IT enterprise that rapidly transforms and adapts to ensure intelligence content informs solution analysis, planning, warfighter operations, and strategic decision making. This program office actively engages with the CCMDs and service providers to refine requirements, identify potential solutions, and advocate for the modernization, alignment, and integration of DIE capabilities critical to the warfighter. CCI EMSO champions CCMD Intelligence IT requirements and capability development during DoW and OUSW(I&S) modernization priorities and initiatives. The CCI EMSO is at the nexus of multiple service providers, networks, systems, applications, classification levels, and funding. In 2016 OUSW(I&S) and Joint Staff Sponsors established this program in the Air Force founded on Intelligence System Initial Capability Document (IS-ICD - JROCM 094-16) and a Change Request (DCR - JROCM 088-17). Annual OUSW(I&S) priorities and DAF IOs guide CCI EMSO to support the modernization and integration of the CCI IT Enterprise IT capabilities supporting the Combatant Command J2s. This program enables long term research, assessment and investment recommendations of systems and processes capable of supporting the CCI Enterprise.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In PY 0.00M was expended for civilian pay expenses in this program element, and in CY 0.00M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305020F I CCMD Intelligence Information Technology				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	1.836	1.547	0.000	0.000	0.000	
Current President's Budget	1.836	1.547	0.000	0.000	0.000	
Total Adjustments	0.000	0.000	0.000	0.000	0.000	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	0.000	0.000	0.000	
Change Summary Explanation						
FY 2027 reduction is due to Air Force administrative actions for Efficiency - Contract Services. This action reduces contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Combatant Command Intelligence Information Technology (CCIIT)				1.836	1.547	0.000
Description: Develop methods and capabilities to dynamically assess Combatant Command Intelligence IT systems modernization and integration issues, engineering and systems architecture, and Intelligence data exchanges to improve technical and programmatic performance and save DoW resources.						
FY 2026 Plans:						
Will Continue efforts: Reducing the CCI EMSO RDTE budget by 18% will significantly degrade the team's ability to deliver decision-grade analysis of enterprise IT shortfalls and emerging enterprise solutions impacting the Combatant Commands' joint warfighting mission. The reduction will impact EMSO's capacity to employ its cloud-based Assessment Environment and Digital Architecture Library, decreasing the accuracy and timeliness of its data analysis and digital assessments and failing to advance OUSW(I&S) Digital Transformation of the Defense Intelligence Enterprise.						
FY 2027 Plans:						
Cancellation of efforts: The termination of funding across the FYDP, combined with the loss of the CCI EMSO RDT&E budget, will prevent the team from delivering decision-grade analysis of enterprise IT shortfalls and emerging enterprise solutions critical to the Combatant Commands' joint warfighting mission. EMSO will no longer be able to support its cloud-based Assessment Environment and Digital Architecture Library, severely compromising the accuracy and timeliness of data analysis and digital						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305020F I CCMD Intelligence Information Technology							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
assessments. As a result, progress toward advancing the OUSW(I&S) Digital Transformation of the Defense Intelligence Enterprise will be halted.												
FY 2026 to FY 2027 Increase/Decrease Statement: The FY 2026 to FY 2027 decrease is due to Air Force administrative actions for Efficiency - Contract Services.												
Accomplishments/Planned Programs Subtotals										1.836	1.547	0.000
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• O&M PE 0305020F: CCMD Intelligence Information Technology	13.612	14.008	13.457	-	13.457	13.743	14.028	14.279	14.564	Continuing	Continuing	
Remarks												
E. Acquisition Strategy RDT&E funds will be applied as modifications to existing contract vehicles to address identified requirements and align and integrate capabilities across the enterprise critical to the warfighter.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305020F / CCMD Intelligence Information Technology						Project (Number/Name) 674901 / Ccmd Intelligence Information Technology			
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Support for Test and Evaluation Services	C/CPFF	Other Contracting : Fairfax, VA	-	1.836	Dec 2024	1.547	Dec 2025	0.000	Dec 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	1.836		1.547		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.836		1.547		0.000		-		0.000	Continuing	Continuing	N/A
Remarks N/A															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305020F / CCMD Intelligence Information Technology	Project (Number/Name) 674901 / Ccmd Intelligence Information Technology

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Joint Targeting Intelligence Modernization (JTIM)																												
Research the modernization and integration of joint targeting capabilities to operate at speed and scale.																												
CCI Enterprise Gap Analysis																												
Research Intelligence IT Gaps/Coordinate with Combatant Commands and Joint Staff.																												
Defense Intelligence Enterprise Architecture																												
Research and Model Defense Intelligence Information Technology Integrated Architectures																												
Collection Orchestration																												
Research and Develop validated CCI requirements, solutions, and workflows.																												
CCI Assessments																												
Research and Assess CCI Programs and Capabilities to determine Enterprise Suitability and Technical Functionality.																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305020F / CCMD Intelligence Information Technology	Project (Number/Name) 674901 / Ccmd Intelligence Information Technology	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Joint Targeting Intelligence Modernization (JTIM)</i>				
Research the modernization and integration of joint targeting capabilities to operate at speed and scale.	1	2025	1	2027
<i>CCI Enterprise Gap Analysis</i>				
Research Intelligence IT Gaps/Coordinate with Combatant Commands and Joint Staff.	1	2025	1	2027
<i>Defense Intelligence Enterprise Architecture</i>				
Research and Model Defense Intelligence Information Technology Integrated Architectures	1	2025	1	2027
<i>Collection Orchestration</i>				
Research and Develop validated CCI requirements, solutions, and workflows.	1	2025	1	2027
<i>CCI Assessments</i>				
Research and Assess CCI Programs and Capabilities to determine Enterprise Suitability and Technical Functionality.	1	2025	1	2027

Note

N/A

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305022F I ISR Modernization & Automation Dvmt (IMAD)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	19.409	22.237	16.188	0.000	16.188	17.210	17.766	18.225	18.730	Continuing	Continuing
675197: Core Technology	0.000	15.871	18.627	12.480	0.000	12.480	13.375	13.858	14.244	14.668	Continuing	Continuing
675306: Analysis Enterprise	0.000	3.538	3.610	3.708	0.000	3.708	3.835	3.908	3.981	4.062	Continuing	Continuing

A. Mission Description and Budget Item Justification

AF ISR Modernization, Automation and Development (IMAD) program develops and demonstrates technology required to implement Artificial Intelligence/Machine Learning (AI/ML), Automation to aid in the current manpower-intensive approaches with digital innovations across the Intelligence, Surveillance, and Reconnaissance (ISR) systems. SECAF directed the Air Force to invest in a more automated environment to relieve strain on manpower in the out years, and IMAD delivers on that direction by creating ISR enterprise-wide effects that enhance the common operating picture, accelerate the flow of data from detection to decision, and expand use of ISR Commercial Cloud capabilities as outlined in the ISR Strategic Vision 2032. IMAD was established to create ISR enterprise-wide effects enhancing the common operations picture, increasing the speed of data from detection, delivery, to operational decision makers and increase use of AF ISR Commercial Cloud capabilities as described in ISR Strategic Vision 2032. IMAD funds projects ISR and Intelligence with 1 year of funding that directly Revive Warrior Ethos which impacts lethality, Rebuilds our Military which modernizes capabilities, and Restore Deterrence.

IMAD consist of:

- (1) Core Technologies in support of Algorithmic Warfare: IMAD develops and applies advanced algorithms to support Air Force ISR, Joint, and Intelligence Community operations at the scale and speed required for modern conflict. These investments deliver enterprise ISR capabilities at the "speed of relevance" fielding solutions in months rather than the years typical of traditional acquisition. The ISR Strategic Vision 2032 calls for dynamically adaptive digital infrastructure from core to edge, and IMAD accelerates that vision by advancing cloud-enabled ISR, scaling adaptive AI/ML solutions, and converging technologies across the force to deliver a seamless, resilient enterprise architecture.
- (2) Analysis Enterprise in support of Kill Chain Automation: USAF ISR must transform complex, multi-source data streams into mission-ready information, enabling Airmen to sense, make sense, and deliver real-time intelligence to decision makers. IMAD is an Air Force program managed by Air Combat Command (ACC) which makes targeted investments to modernize the Analysis Enterprise by applying advanced artificial intelligence and machine learning to replace manpower-intensive processes, conditioning and fusing multi-source data into interoperable, discoverable formats, automating analyst workflows at scale, uniquely answering ISR challenges identified in the field, and extending operations into enterprise cloud and tactical-edge environments. These investments result in compression of the kill chain and provide commanders with decision superiority from detection through mission execution.

Efficiency-Contract Services

Reduces contracts for 7.894 million in FY 2027 in contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, "Implementing the President's Department of Government Efficiency Cost Efficiency Initiative."

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305022F / <i>ISR Modernization & Automation Dvmt (IMAD)</i>

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	19.409	22.237	0.000	0.000	0.000
Current President's Budget	19.409	22.237	16.188	0.000	16.188
Total Adjustments	0.000	0.000	16.188	0.000	16.188
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	16.188	0.000	16.188

Change Summary Explanation

The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Auto mation Dvmt (IMAD)				Project (Number/Name) 675197 / Core Technology			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675197: Core Technology	0.000	15.871	18.627	12.480	0.000	12.480	13.375	13.858	14.244	14.668	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Core Technologies in support of Algorithmic Warfare: technologies using algorithms to support USAF ISR, Joint, and the Intelligence Community (IC) operations at the scale and speed required in modern warfare against our adversaries and supports the National Defense Strategy (NDS) priority of operating at the "speed of relevance." Algorithmic technologies such as Machine Learning (ML) and Artificial Intelligence (AI) continues to reshape current sense, identify, attribute, and share Processing, Exploitation and Dissemination (PED) models to meet sustainable and effective ISR digital solutions while identifying efficiencies and thrive in a complex operating environment.

Supports National Defense Strategy priority of operating at the speed of relevance and Next Generation Flight Plan.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Algorithmic Warfare	15.871	18.627	12.480
Description: SECAF directed the AF to invest in a more automated environment and machine learning to relieve strain on manpower in the out years. Algorithmic Warfare can provide world-class ISR support to Joint Operations at the scale and speed required in modern warfare against our adversaries. This effort supports ISR Strategic Vision 2032 National Defense Strategy of operating at the "speed of relevance."			
FY 2026 Plans: Continue to develop ISR Algorithmic Warfare automation of tools and machine learning algorithms. Continue to investigate AL methods.			
FY 2027 Plans: IMAD will continue advancing automation and AI/ML to optimize data workflows and multi-source fusion, Including Common Intelligence Network (CIN) and ontology-based solutions for ISR at scale. These investments enhance cloud-enabled ISR, adaptive infrastructure, and resilient systems, delivering actionable intelligence faster with improved interoperability. IMAD's innovations in data conditioning and fusion support border protection and missile defense by compressing decision timelines and			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305022F / <i>ISR Modernization & Automation Dvmt (IMAD)</i>	Project (Number/Name) 675197 / <i>Core Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
providing real-time intelligence that adapts to dynamic operational environments. This approach ensures warfighters maintain decision advantage in contested, complex settings.			
FY 2026 to FY 2027 Increase/Decrease Statement: The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			
Accomplishments/Planned Programs Subtotals		15.871	18.627
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks Please note that due to IMAD being an Air Force wide competition selection style program, each unit must have an established contract to utilize for execution prior to selection. Units are required to obligate and start expending funds in Q1 and adhere to a 12-month Period of Performance (PoP) once funds are committed. Projects with low execution rates will be identified for potential deselection with reallocation of funds to other highly competitive innovation projects that competed in the selection cycle.			
D. Acquisition Strategy All contracts funded in this program will be awarded using competitive procedures to the maximum extent possible.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)						Project (Number/Name) 675197 / Core Technology			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Algorithmic Warfare	C/Various	ACC/A29P : Langley AFB, VA	-	15.871	Nov 2024	18.627	Nov 2025	12.480	Nov 2027	-		12.480	Continuing	Continuing	-
Subtotal			-	15.871		18.627		12.480		-		12.480	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.871		18.627		12.480		-		12.480	Continuing	Continuing	N/A
Remarks Please note that due to IMAD being an Air Force wide competition selection style program, each unit must have an established contract to utilize for execution prior to selection. Units are required to obligate and start expending funds in Q1 and adhere to a 12-month Period of Performance (PoP) once funds are committed. Projects with low execution rates will be identified for potential deselection with reallocation of funds to other highly competitive innovation projects that competed in the selection cycle.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)		
			Project (Number/Name) 675197 / Core Technology		

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Algorithmic Warfare																												
Begin Algorithm Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)	Project (Number/Name) 675197 / Core Technology

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Algorithmic Warfare				
Begin Algorithm Development	1	2025	4	2028

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)				Project (Number/Name) 675306 / Analysis Enterprise			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675306: Analysis Enterprise	0.000	3.538	3.610	3.708	0.000	3.708	3.835	3.908	3.981	4.062	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
AF ISR must adapt large data sets and condition it into mission sets, allowing personnel to discover, manage, and analyze data and transform it into living intelligence. Kill Chain Automation applies new methodologies; advances automation and machine learning algorithms; ensures data is accessible, agreeable, and interoperable; and delivers decision advantage.												
Supports National Defense Strategy priority of operating at the speed of relevance and Next Generation ISR Dominance Flight Plan.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Kill Chain Automation									3.538	3.610	3.708	
Description: Air Force first ISR investment to work large data sets, automation, COTS IT tolls, and data aggregation.												
FY 2026 Plans: Continue to fund software development to automate ISR analyst workflows												
FY 2027 Plans: IMAD will refine workflow automation, focusing on multi-INT fusion and cloud/edge integration to support a variety of ISR activities to include prioritizing projects that focus on border protection and missile defense. By streamlining ISR workflows, IMAD will compress kill chains, accelerate decision-making, and provide real-time, interoperable intelligence to decision-makers, improving counter-UAS and ISR mission readiness in complex environments.												
FY 2026 to FY 2027 Increase/Decrease Statement: The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.												
Accomplishments/Planned Programs Subtotals									3.538	3.610	3.708	
C. Other Program Funding Summary (\$ in Millions)												
N/A												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305022F / <i>ISR Modernization & Automation Dvmt (IMAD)</i>	Project (Number/Name) 675306 / <i>Analysis Enterprise</i>
C. Other Program Funding Summary (\$ in Millions)		
Remarks Due to IMAD being an Air Force wide competitive selection style program, each unit must have an established contract to utilize for execution prior to selection. Units are required to obligate and start expending funds in Q1 as well as adhere to a 12-month Period of Performance (PoP) once funds are committed. Projects with low execution rates will be identified for potential deselection with reallocation of funds to other highly competitive innovation projects that competed in the selection cycle.		
D. Acquisition Strategy		
IMAD is committed to transforming innovative concepts into operational capabilities that strengthen and modernize Intelligence, Surveillance, and Reconnaissance (ISR) competencies for the warfighter. To achieve this mission, IMAD will leverage the Department of Defense Information Analysis Center (IAC) Multiple Award Contract (MAC) vehicle, an Indefinite Delivery Indefinite Quantity (IDIQ) framework designed to accelerate Research and Development (R&D) and deliver critical services. This approach ensures that cutting-edge solutions are delivered that directly enhance warfighter readiness and operational effectiveness.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)						Project (Number/Name) 675306 / Analysis Enterprise			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Kill Chain Automation	C/Various	HAF/A2 : Langley AFB, VA	-	3.538	Dec 2024	3.610	Dec 2025	3.708	Dec 2026	-		3.708	Continuing	Continuing	-
Subtotal			-	3.538		3.610		3.708		-		3.708	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.538		3.610		3.708		-		3.708	Continuing	Continuing	N/A
Remarks Due to IMAD being an Air Force wide competitive selection style program, each unit must have an established contract to utilize for execution prior to selection. Units are required to obligate and start expending funds in Q1 as well as adhere to a 12-month Period of Performance (PoP) once funds are committed. Projects with low execution rates will be identified for potential deselection with reallocation of funds to other highly competitive innovation projects that competed in the selection cycle.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)		Project (Number/Name) 675306 / Analysis Enterprise	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Kill Chain Automation																												
Begin automation development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305022F / ISR Modernization & Automation Dvmt (IMAD)	Project (Number/Name) 675306 / Analysis Enterprise

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Kill Chain Automation</i>				
Begin automation development	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305099F I Global Air Traffic Management (GATM)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	4.505	4.222	4.210	0.000	4.210	4.468	4.584	4.669	4.764	Continuing	Continuing
674689: Global Access Architecture	0.000	4.505	4.222	4.210	0.000	4.210	4.468	4.584	4.669	4.764	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element funds the Air Force Life Cycle Management Center (AFLCMC) Aerospace Management Systems Division (AMSD), the designated Air Force (AF) Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) and Navigation Safety Center of Excellence (COE).

The COE provides centralized avionics expertise to Headquarters Air Force, AF Major Commands (MAJCOM), AFLCMC/EZ EN Airworthiness, and weapon system program offices. This funding enables the COE to participate, influence, and vote in government and industry technical forums as well as U.S. and international civil aviation standards bodies such as the Federal Aviation Administration (FAA), International Civil Aviation Organization (ICAO), Radio Technical Commission for Aeronautics (RTCA), the DoW Airlines Electronic Engineering Committee (AEEC) and others. These organizations are responsible for the development and assessment of international civil aviation standards for safe and efficient flight operations in worldwide airspace. This centralized CNS/ATM technical expertise capability supports all MAJCOMs and over 30 AF weapon system program offices.

The COE develops strategies to update and implement CNS/ATM capability requirements on AF weapon systems, as well as tailors the Generic Performance Matrix (GPM) to each airframe's unique avionics architecture and operational mission. Efforts include but are not limited to Performance Assessment, Impact Assessment Tools, test support, performance monitoring, interoperability testing, cybersecurity assessments, and the development of CNS/ATM capabilities for unmanned platforms. Currently, the COE supports all AF System Program Office work to modernize interfaces that support GPS M-Code, ARC-210 replacements, SATCOM upgrades, and performance-based navigation.

The COE performs periodic and event driven audits of National Geospatial-Intelligence Agency (NGA) Digital Aeronautical Flight Information File (DAFIF). This electronic navigation database contains critical safety of flight information used by the majority of DoW flight crews to fly Instrument Flight Rules (IFR) procedures, safely navigate airways and fly Instrument Approach Procedures (IAPs) safely to civil and military airfields worldwide.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305099F I Global Air Traffic Management (GATM)				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	5.151	4.257	0.000	0.000	0.000	
Current President's Budget	4.505	4.222	4.210	0.000	4.210	
Total Adjustments	-0.646	-0.035	4.210	0.000	4.210	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	-0.545	0.000				
• SBIR/STTR Transfer	-0.101	-0.035				
• Other Adjustments	0.000	0.000	4.210	0.000	4.210	
Change Summary Explanation						
FY 2025 budget request decreased by \$0.646 million due to Below Threshold Reprogramming decrease of \$0.545 to support other Air Force priorities and decrease of \$0.101 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
FY 2026 budget request decreased by \$0.035 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: CNS/ATM COE Administration of DoD Avionics Equipment Catalog (CNS/ATM II)				0.170	0.206	0.213
Description: In accordance with AFPAM 63-129 Section 2.7.7 and AFI 63-101 Section 5.4.6.2, maintain a centralized pre-approved products CNS/ATM II Catalog for use by implementing aircraft SPOs to include but not limited to navigation safety avionics equipment/components, navigation data, and technical engineering services for numerous DoD, US Federal Agencies, and Foreign Military Sales program offices. Provide preferred customer pricing and extended warranty maintenance.						
FY 2026 Plans: Continue maintenance, update and administration of the pre-approved products for the CNS/ATM II catalog to include but not limited to new transponder products and monitor Federal and Military CNS/ATM mandates.						
FY 2027 Plans: Continuation of maintenance, update and administration of the pre-approved products for the CNS/ATM II catalog to include but						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305099F <i>I Global Air Traffic Management (GATM)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
not limited to new transponder products and monitor Federal and Military CNS/ATM mandates.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to economic inflation factors.				
Title: CNS/ATM COE Digital Aeronautical Flight Information File (DAFIF) Management Description: Perform periodic audits of the processes and procedures utilized by organizations involved in the development and distribution of critical safety of flight electronic databases used by aircrews to fly instrument flight rules procedures worldwide. Ensures the validity of multiple sources of information critical to implementation of international performance-based navigation (PBN) standards. FY 2026 Plans: Continue interface with DoD agencies and the FAA to audit/certify electronic navigational databases and develop performance-based procedures required to operate without restriction in the National Airspace System (NAS) and in international civil aviation environments necessary for manned and remotely piloted aircraft globally. FY 2027 Plans: Continuation of interface with DoD agencies and the FAA to audit/certify electronic navigational databases and develop performance-based procedures required to operate without restriction in the National Airspace System (NAS) and in international civil aviation environments necessary for manned and remotely piloted aircraft globally. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional auditing activities.		1.628	1.594	1.648
Title: CNS/ATM COE Standards Bodies Engagement and Generic Performance Matrix (GPM) Development Description: Participate in technical forums to understand and influence civil aviation standards and incorporate DoD interests to ensure safe and efficient access of AF manned and unmanned aircraft to the global airspace. Create new and/or revise GPMs used by AF platform program offices to ensure aircraft comply with civil aviation requirements. Tailor GPMs for program offices to apply standards to unique aircraft avionics architectures. Assist 30+ aircraft program offices with the development of CNS/ATM related test and evaluation plans, the analysis of test/performance data, and the assessment of aircraft CNS/ATM performance through preparation of a Performance Assessment Report (PAR). FY 2026 Plans: Continued development of generic and tailored performance matrices to ensure Air Force manned and remotely piloted aircraft are capable and certified to operate safely and efficiently in worldwide civil airspace in accordance with emerging performance-		2.707	2.422	2.349

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305099F / <i>Global Air Traffic Management (GATM)</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
based CNS/ATM requirements. test and design reviews, analysis of test/performance data, and performance assessment reports, and provide deliverable products to include but not limited to Technical Performance Matrices (TPM) or PAR. FY 2027 Plans: Continuation of development of generic and tailored performance matrices to ensure Air Force manned and remotely piloted aircraft are capable and certified to operate safely and efficiently in worldwide civil airspace in accordance with emerging performance based CNS/ATM requirements, test and design reviews, analysis of test/performance data, and performance assessment reports, and provide deliverable products to include but not limited to Technical Performance Matrices (TPM) or PAR. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced test and design review activities.				
Accomplishments/Planned Programs Subtotals		4.505	4.222	4.210
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy This program provides analytical services and technical experts that support the Air Force Life Cycle Management Center (AFLCMC) Aerospace Management Systems Division (AMSD), and the designated Air Force (AF) Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) and Navigation Safety Center of Excellence (COE). These services are acquired via the issuance of task/delivery orders against available CNS/ATM COE contracts. In accordance with AFPAM 63-129 Section 2.7.7, the CNS/ATM COE maintains a centralized Indefinite Delivery/Indefinite Quantity (ID/IQ) contracts for CNS/ATM hardware and software procurement for use by implementing aircraft SPOs.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305099F / Global Air Traffic Management (GATM)				Project (Number/Name) 674689 / Global Access Architecture					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GATM CNS/ATM Prime Contracts	C/CPAF	Not specified. : TBD	-	0.067	Oct 2024	0.040	Dec 2025	0.041	Dec 2026	-		0.041	Continuing	Continuing	-
Subtotal			-	0.067		0.040		0.041		-		0.041	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical support for CNS/ATM requirement assessments, GPM development, DAFIF navigation data chain audits/certification, and CNS/ATM ID/IQ contract management.	C/T&M	MITRE : Bedford, MA	-	2.707	Oct 2024	2.422	Dec 2025	2.349	Jun 2027	-		2.349	Continuing	Continuing	-
Technical support for operational requirement assessments, GPM development, DAFIF navigation data chain audits/certification, and CNS/ATM ID/IQ contract management.	C/CPFF	Odyssey Systems : Wakefield, MA	-	1.618	Jul 2025	1.594	Apr 2026	1.648	Dec 2026	-		1.648	Continuing	Continuing	-
Subtotal			-	4.325		4.016		3.997		-		3.997	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	Various : Bedford, MA	-	0.113	Oct 2024	0.166	Oct 2025	0.172	Oct 2026	-		0.172	Continuing	Continuing	-
Subtotal			-	0.113		0.166		0.172		-		0.172	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0305099F / Global Air Traffic Management (GATM)				Project (Number/Name) 674689 / Global Access Architecture			
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals	-	4.505	4.222	4.210	-	4.210	Continuing	Continuing	N/A		

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305099F / Global Air Traffic Management (GATM)					674689 / Global Access Architecture									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CNS/ATM COE																												
Generic Performance Matrix Development																												
DAFIF Management																												
CNS/ATM iGATM II Contract Administration																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305099F / Global Air Traffic Management (GATM)	Project (Number/Name) 674689 / Global Access Architecture

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CNS/ATM COE				
Generic Performance Matrix Development	3	2025	4	2031
DAFIF Management	3	2025	4	2031
CNS/ATM iGATM II Contract Administration	3	2025	2	2029

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305103F I Cyber Security Initiative							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.292	0.305	0.318	0.000	0.318	0.330	0.337	0.344	0.351	Continuing	Continuing
671931: TECH SURVEIL COUNTER MEAS EQPT	0.000	0.292	0.305	0.318	0.000	0.318	0.330	0.337	0.344	0.351	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Integrate MDCO network sensor collections and analytical capabilities to enable data sharing.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Cyber Security Initiative capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F, 0605827F, 0605828F, 0605829F, 0605832F, 0605833F, 0605898F, 0606398F. In FY25 \$0.0M was expended and in FY26 \$0.0M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.304	0.310	0.000	0.000	0.000
Current President's Budget	0.292	0.305	0.318	0.000	0.318
Total Adjustments	-0.012	-0.005	0.318	0.000	0.318
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.012	-0.005			
• Other Adjustments	0.000	0.000	0.318	0.000	0.318

C. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Tech Surveill Counter Mess Equipment	0.292	0.305	0.318	-	0.318
Description: CI Process Exploit Dissemination (PED)					

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026																
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>			R-1 Program Element (Number/Name) PE 0305103F / <i>Cyber Security Initiative</i>																	
<u>C. Accomplishments/Planned Programs (\$ in Millions)</u> <i>FY 2026 Plans:</i> Continuing to integrate MDCO network sensor collections. <i>FY 2027 Base Plans:</i> Will continue to integrate MDCO network sensor collections. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner. <table border="1" style="width: 35%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">FY 2025</th> <th style="padding: 5px;">FY 2026</th> <th style="padding: 5px;">FY 2027 Base</th> <th style="padding: 5px;">FY 2027 OOC</th> <th style="padding: 5px;">FY 2027 Total</th> </tr> </thead> <tbody> <tr style="height: 150px;"> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="padding: 5px;">0.292</td> <td style="padding: 5px;">0.305</td> <td style="padding: 5px;">0.318</td> <td style="padding: 5px;">-</td> <td style="padding: 5px;">0.318</td> </tr> </tbody> </table>						FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total						0.292	0.305	0.318	-	0.318
FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total																
0.292	0.305	0.318	-	0.318																
<u>D. Other Program Funding Summary (\$ in Millions)</u> N/A <u>Remarks</u> <u>E. Acquisition Strategy</u> Integrate MDCO sensor collection and analysis. Acquisition strategy for program efforts will be assessed as program requires. Competitive contracts will be used to the maximum extent possible.																				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305103F / Cyber Security Initiative						Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Sensor Collection Development	C/CPAF	Perspecta (Peraton) : Reston, VA	-	0.292	Apr 2025	0.305	Apr 2026	0.318	Apr 2027	0.000	Apr 2027	0.318	Continuing	Continuing	-
Subtotal			-	0.292		0.305		0.318		0.000		0.318	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.292		0.305		0.318		0.000		0.318	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305103F / Cyber Security Initiative			Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CI Process Exploit Dissemination (PED) System Development																												
Analysis of MDCO sensor integration																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305103F / Cyber Security Initiative	Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CI Process Exploit Dissemination (PED) System Development				
Analysis of MDCO sensor integration	1	2025	4	2030

Note
Integrate MDCO sensor collection and analysis.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305111F I Weather Service							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	39.438	50.129	29.331	0.000	29.331	32.735	32.709	32.895	33.553	Continuing	Continuing
672738: Weather Service	0.000	39.438	50.129	29.331	0.000	29.331	32.735	32.709	32.895	33.553	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget activity funds the operational development necessary to acquire and modernize Air Force Weather Service [AFWS] capabilities in support of the 2026 National Defense Strategy's [NDS] lines of effort. To prioritize military excellence and readiness, AFWS provides timely, accurate, resilient, and relevant environmental information to enable global battle-space situational awareness for the Air Force [AF], Army, Special Operations Forces [SOF], Space Force [USSF], combatant commands, the Intelligence Community [IC], and other government agencies. AFWS provides extreme weather impacts and assessments, as well as space and terrestrial weather sensing, forecasting, and weather analytic capabilities, at home station and deployed, in order to deliver critical environmental information in support of decision makers to gain the asymmetric advantage during the full spectrum of air and space combat operations. AFWS decreases the risk to mission and risk to force by increasing the lethality, effectiveness, and survivability of Department of War [DoW] weapon systems. To re-establish deterrence, AFWS development efforts integrate DoW, government agency, commercial, and international partner environmental data and software with AFWS information systems for processing, storing, exploiting, and disseminating all-domain weather information for analysis, forecasting, mission integration, and greater interoperability. To rebuild our military and maximize lethality, AFWS sensors and information systems are being modernized through improvements to architecture and system efficiency, cybersecurity, joint all-domain command and control [JADC2] and sensing grid integration, environmental sensor development, migration to cloud computing, artificial intelligence and machine learning [AI/ML] initiatives, and expanding agile software development, rapid delivery, and integration practices. The AF Weather Enterprise digital transformation and cloud migration effort modernizes key capabilities providing the military advantage to accurately predict environmental impacts optimizing mission planning, targeting, weaponeering, mission execution, battle damage assessment, and space systems operations. AFWS aligns activities under four capability areas: Weather Data Collection, Weather Data Analysis and Dissemination, Weather Forecasting, and Product Tailoring/Warfighter Applications [PTWA]. This alignment ensures an integrated and systems-oriented approach to program management and technical baseline decisions. All four capability areas are addressed by APPN 3600, BA 07, PE 0305111F, Project 672738 - Weather Service. Weather Data Analysis [WDA] Increment 5 and Weather Applications Rapid Production [WARPspeed] programs of record are Software Acquisition Pathway Programs.

1. Weather Data Collection 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.

2. Weather Data Analysis and Dissemination provides a multi-level security classification and cybersecure cloud computing-based platform supporting large-scale environmental data ingest, processing, and product generation, Continuous Integration/Continuous Delivery [CI/CD] and AI/ML environments for AFWS software development and deployment, and machine-to-machine dissemination of specific, mission-tailored weather data on-demand to support warfighter operations, weapon

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305111F I Weather Service	
system interoperability, rapidly integrating into C2 nodes, and shortening the Combatant Commander kill chain. The Weather Data Analysis and Dissemination capability area includes activities for Weather Data Analysis Increment 5 [WDA Inc 5] and Commercial Weather Data [CWD]. 3. Weather Forecasting provides global and regional advanced scientific numerical weather and extreme weather prediction capabilities for automated, high-resolution forecast products supporting mission planning and execution with an emphasis on clouds, theater scale weather, aerosol/chemical constituents, hydrology, machine learning, and space environmental characterization. Weather Forecasting includes activities for Numerical Weather Modeling [NWM] 4. Product Tailoring Warfighter Applications [PTWA] develops and modernizes software applications that provide and enhance environmental information to support rapid warfighter decision-making. PTWA includes the program, Weather Applications Rapid Production [WARPspeed], which is a suite of software applications developed and delivered across multiple security classification levels. WARPspeed encompasses weather workflow tools and decision aids used to tailor terrestrial and space environmental information, which include both Forecaster-in-the-Loop [FITL] and automated machine-to-machine processes enhanced by AI/ML. WARPspeed leverages the WDA Inc 5 cloud computing, data processing, and CI/CD and AI/ML platforms to rapidly develop, deliver, and sustain software capabilities, whether deployed into the AF Weather Virtual Private Cloud [AFW-VPC] and to warfighter processing nodes at the edge. Activities include research and analysis to support current program planning. Management Service costs include Federally Funded Research and Development Centers [FFRDC] and Advisory and Assistance Service [A&AS]. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305111F I Weather Service			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	40.782	30.509	0.000	0.000	0.000
Current President's Budget	39.438	50.129	29.331	0.000	29.331
Total Adjustments	-1.344	19.620	29.331	0.000	29.331
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	20.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-1.344	-0.380			
• Other Adjustments	0.000	0.000	29.331	0.000	29.331
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2025	FY 2026
Project: 672738: Weather Service					
Congressional Add: Air Force Weather Transformation				4.817	4.000
Congressional Add: Operationalizing the Stratosphere				1.927	1.000
Congressional Add: Joint Center for Satellite Data Assimilation				0.000	12.000
Congressional Add: Weather data dissemination for tactical edge and autonomous operations				0.000	2.000
Congressional Add: Weather Wing Data Migration				0.000	1.000
Congressional Add: Flood Mapping				3.854	0.000
Congressional Add Subtotals for Project: 672738				10.598	20.000
Congressional Add Totals for all Projects				10.598	20.000
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Fixed Base Weather System [FBWS]	0.000	0.000	0.000	-	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305111F I Weather Service				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Description: Integration and test of advanced sensing components to include extreme weather power sources, aerosols, cloud height, low-level wind shear and optical turbulence. FY 2026 Plans: N/A FY 2027 Base Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A						
Title: Expeditionary Weather [ExMet] Description: Funding enables fielding of Air Force Weather's Joint All-Domain Command and Control [JADC2] system of systems solution that supports mission specific launch and recovery operations via multi- and single-person UTCs. ExMet systems and capabilities address AF expeditionary operations needs highlighted in the 2026 NDS and AF/A3 Functional Concept for Expeditionary Weather operations. FY25-27 funding continues integration of components and applications into ExMET systems which was previously enabled by SBIR funding. FY 2026 Plans: -Funding will support component integration as well as functionality modifications and testing of component sensor systems, in particular the edge node AI/ML local weather model and compute hardware. FY 2027 Base Plans: -Funding will be used for the continued improvement of forecasting capabilities at the edge utilizing AI/ML capabilities. The team will begin researching the development of a new smaller expeditionary weather sensor and other observing capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased minimally due to standard operating costs.		0.608	0.000	0.583	-	0.583
Title: Portable Doppler Radar [PDR] Description: Development testing and minor modifications of phased-array weather radar prototype. FY 2026 Plans:		0.000	0.000	0.000	-	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305111F I Weather Service				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
N/A						
FY 2027 Base Plans:						
N/A						
FY 2026 to FY 2027 Increase/Decrease Statement:						
N/A						
Title: Weather Data Analysis Increment 5 [WDA Inc 5]		5.802	6.403	6.918	-	6.918
Description: Weather Data Analysis Increment 5 [WDA Inc 5]: WDA Inc 5 continues development and modernization of a cloud computing-based platform enabling agile software development via a CI/CD pipeline which enables rapid fielding and updates to functionality and security measures. The WDA Inc 5 cloud computing platform also provides an enterprise big data analytics capability and AI/ML platform, as well as supporting and funding development and deployment of web services, data management, platform monitoring, application on-boarding, and platform user management. Finally, the program will provide a classified cloud computing platform, in addition to the existing unclassified capability, that communicates directly with C2 customers.						
FY 2026 Plans:						
-Funding will support cyber security automation, data transformations, and new satellite data integration to the AFW-VPC platform as well as JADC2 and IC integration.						
FY 2027 Base Plans:						
-Funding will support evaluation and improvement of processes and technology for Cloud operations and integration of environmental data into C2 and planning systems.						
-Continue the support of cyber security automation, data transformations, and new satellite data integration to the AFW-VPC platform as well as decision-making systems.						
FY 2026 to FY 2027 Increase/Decrease Statement:						
Program increased due to increased technical support required for JADC2 and IC integration efforts.						
Title: Commercial Weather Data [CWD]		0.000	0.000	0.200	0.000	0.200
Description: Commercial Weather Data [CWD] is a continuation of the Commercial Weather Data Pilot Program. The FY26 NDAA directed the DAF to establish CWD as Program of Record NLT 30 September, 2027. A majority of funds for this PoR will be for commercial weather buys via Operations and Maintenance funds, however 3600 funding will be required to evaluate, ingest, and assimilate CWD. Testing, evaluation, integration,						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305111F I Weather Service				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
and exploitation of emerging commercial weather capabilities to provide the AFW community with additional data sources that boost environmental intelligence, fill capability gaps, and improve weather modeling. FY 2026 Plans: N/A FY 2027 Base Plans: -Testing, evaluation, integration, and exploitation of emerging commercial weather capabilities to provide the AF Weather community with additional data sources that boost environmental intelligence, fill capability gaps, and improve weather modeling. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Previous efforts regarding CWD utilized congressional add funds.						
Title: Numerical Weather Modeling [NWM] Description: NWM develops and integrates physics and machine learning-based analysis and forecast models to include atmospheric, hydrology, and land characterization. NWM also provides data and products used to issue advisories and warnings for DoW resource protection, as well as DoW and IC mission planning. NWM integrates with the Air Force Weather Weapon System's Weather Data Analysis [WDA] Inc 5 processing centers to analyze and predict weather phenomena. FY 2026 Plans: -Continue model code optimization, model blending, hydrology prediction, AI/ML-based contrail analysis and prediction, and classified modeling development. -Begin research and development on new aerosol model. FY 2027 Base Plans: -Funding will support continued model code optimization, model blending, hydrology prediction, AI/ML-based contrail analysis and prediction, and classified modeling development. -Continue application development supporting the IC community. FY 2026 to FY 2027 Increase/Decrease Statement:		14.276	14.561	13.527	-	13.527

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305111F I Weather Service				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Funding decreased to support A&AS reductions.						
Title: Weather Applications Rapid Production [WARPspeed] Description: WARPspeed develops and delivers a suite of software applications across multiple security classification levels to provide and enhance environmental intelligence to support rapid warfighter decision making. Major software developments include: the Bridging Environmental Intelligence For Responsive Operational Support Portal [BIFROST], Mission Services, Enterprise Workflow Applications [EWA], 14th Weather Squadron [14WS] applications, and weather C2 visualization plug-ins and integration. FY 2026 Plans: -Continue BIFROST Portal development and mission-focused weather workflow applications for weather and non-weather operators, 14WS applications, and C2 integration. FY 2027 Base Plans: -Funding will support the continued BIFROST Portal development and mission-focused weather workflow applications for weather and non-weather operators, 14WS applications, and C2 integration. -The development will include research and testing AI/ML based applications to improve the efficiency and accuracy of weather workflow applications. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased to support A&AS and FFRDC reductions.		8.154	9.165	8.103	-	8.103
Accomplishments/Planned Programs Subtotals		28.840	30.129	29.331	0.000	29.331
		FY 2025	FY 2026			
Congressional Add: Air Force Weather Transformation FY 2025 Accomplishments: Continue the Weather Engineering Research Facility Project with the University of Maine, which directly addresses the critical need for reliable and resilient weather sensing capabilities in the rapidly changing Arctic, a region of increasing strategic importance to the Department of War. The tasks performed on the contract focus on various aspects of the AF Weather Virtual Private Cloud [AFW		4.817	4.000			

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)	
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305111F I Weather Service	
		FY 2025	FY 2026
VPC] in support of the DoW Digital Engineering Strategy. Funding will be added to a follow-on AF Weather Transformation contract.			
FY 2026 Plans: -These funds will be used to enable the acceleration of USAF Weather's effort to modernize it's organizational framework and infrastructure through automation to include integration of AI/ML tools and capabilities. -This effort will accelerate efficiencies in the Air Force Weather cloud operations and reduce latency/inefficiency of legacy tools and applications.			
Congressional Add: Operationalizing the Stratosphere FY 2025 Accomplishments: The RDT&E funds being provided to the USAF under program element 35111F will enable the acceleration of USAF Weather's effort to increase the model top of the Model for Prediction Across Scales [MPAS], a weather prediction model, and Joint Effort for Data assimilation Integration [JEDI], a weather data assimilation framework. The effort will increase the model top from 30km to 70km and increase the vertical fidelity of the model in the stratosphere in support of DoW capabilities operating/transiting through the middle atmosphere. Additionally, a portion of the funding will be used to continue efforts with Windborne on High Altitude Balloons [HABs] to capture data in the stratosphere and integrate the data into the MPAS and JEDI. FY 2026 Plans: -Continue efforts with Windborne on High Altitude Balloons [HABs] to capture data in the stratosphere and integrate the data into the MPAS and JEDI. -Develop new balloon envelope materials and low temperature observing equipment to push the ceiling to 100,000 feet to gather more in-situ data for MPAS.		1.927	1.000
Congressional Add: Joint Center for Satellite Data Assimilation FY 2025 Accomplishments: N/A FY 2026 Plans: -Continue working with JCSDA on the Joint Effort for Data assimilation Integration [JEDI] capability which will be crucial to injecting state-of-the-art observations into the AF Weather forecast model, ensuring the most accurate impact-based decision advantage.		0.000	12.000
Congressional Add: Weather data dissemination for tactical edge and autonomous operations FY 2025 Accomplishments: N/A FY 2026 Plans: -Funds will support efforts to design and begin development of AI/ML capabilities to provide actionable operations-impact advice at the tactical edge to rapidly improve the quality of decisions within automated decision-support software systems operating in a DDIL environment.		0.000	2.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force						Date: April 2026					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0305111F I Weather Service							
				FY 2025	FY 2026						
-This includes data transfer from cloud to the edge, preparing State of the Art [SOTA] AI/ML weather models and edge node compute infrastructure, and development of AI/ML human-machine teaming capabilities. -AF Weather will utilize funds for the development and prototyping of tactical edge weather capabilities utilizing integration of AI/ML, human-machine teaming, and automation.											
Congressional Add: Weather Wing Data Migration FY 2025 Accomplishments: N/A FY 2026 Plans: -Funds will be utilized to build-off previous efforts and finalize the USAF Weather's migration from on-premises data processing to cloud computing on the AF Weather Virtual Private Cloud [VPC].				0.000	1.000						
Congressional Add: Flood Mapping FY 2025 Accomplishments: The RDT&E funds being provided to the USAF under PE 35111F will enable the acceleration of USAF Weather's development of a global flood mapping and forecasting tool. Oak Ridge National Laboratory [ORNL] has developed the Two-dimensional Runoff Inundation Toolkit for Operational Needs [TRITON], an open-source, GPU-accelerated inundation model developed in collaboration with USAF to expand global hydrology forecasting capabilities. The TRITON model is unique in that it accounts for both riverine and flash floods. ORNL continues to work on extending and enhancing the inundation model capabilities and is currently working on a project to assess flood vulnerability at select DoW installations, including Offutt Air Force Base. FY 2026 Plans: N/A				3.854	0.000						
Congressional Adds Subtotals				10.598	20.000						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 05 0305111F: WEATHER SERVICE	31.056	31.516	33.111	-	33.111	33.573	34.205	34.846	35.543	0.000	233.850
Remarks											
E. Acquisition Strategy AF Weather has adopted a CI/CD approach to delivering capabilities rapidly and routinely using multiple contracts to support a family of systems through development, fielding and sustainment.											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305111F I Weather Service	
Cost Plus contracts are utilized for software development and sustainment and Firm Fixed Price contracts for Commercial-off-the-shelf [COTS] systems and Contract Logistics Support [CLS] efforts. Pre-competed General Services Administration [GSA], Defense Logistics Agency, and Defense Micro-Electronics Activity [DMEA] contract vehicles are leveraged when appropriate, and competitive and small-business awards are favored, as well as focused partnerships with select universities and government organizations with weather, AI/ML, and data sciences expertise. Air Force Weather Weapons System [AFWWS] is managed by Air Force Program Executive Officer for Electronic Systems. They manage the ground-based atmospheric sensing and data analysis, atmospheric forecast systems, and PTWA.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305111F / <i>Weather Service</i>				Project (Number/Name) 672738 / <i>Weather Service</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ExMet	C/CPAF	Not specified. : TBD	-	0.608	Mar 2025	0.000	Mar 2026	0.524	Mar 2027	-		0.524	0.000	1.132	-
WDA-Inc 5, Develop web service, big data analytics, and ML/AI platform capabilities	C/CPAF	NextGen Federal Systems : Morgantown, WV	-	4.445	Feb 2025	4.644	Feb 2026	4.229	Feb 2027	-		4.229	0.000	13.318	-
WARPspeed (BIFROST, Mission Services, GSWR)	Various	Various : Various	-	6.850	Feb 2025	7.191	Feb 2026	6.445	Feb 2027	-		6.445	0.000	20.486	-
NWM	Various	Various : Various	-	12.562	Jan 2025	13.781	Jan 2026	12.349	Jan 2027	-		12.349	0.000	38.692	-
Portable Doppler Radar	C/CPAF	AgileRF Systems : Eerthoud, CO	-	0.000	May 2025	-		-		-		-	Continuing	Continuing	-
Air Force Weather Transformation	Various	Various : Various	-	4.817	Jul 2025	4.000	May 2026	-		-		-	0.000	8.817	-
Weather Wing Data Migration	C/CPAF	Not specified. : TBD	-	-		1.000	May 2026	-		-		-	0.000	1.000	-
Weather Data Dissemination for Tactical Edge and Autonomous Operations	C/CPAF	NextGen Federal Systems : Morgantown, WV	-	-		2.000	May 2026	-		-		-	Continuing	Continuing	-
Flood Mapping	Various	Various : Various	-	3.854	Mar 2026	-		-		-		-	Continuing	Continuing	-
Joint Center for Satellite Data Assimilation	SS/FFP	UCAR : Boulder, CO	-	-		12.000	Jun 2026	-		-		-	Continuing	Continuing	-
Operationalizing the Stratosphere	Various	Various : Various	-	1.927	Jul 2025	1.000	Jul 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	35.063		45.616		23.547		-		23.547	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
46th TS/JITC AFLCMC	WR	46 TS : Offutt AFB, NE	-	0.249	Dec 2024	0.256	Dec 2025	0.294	Dec 2026	-		0.294	0.000	0.799	-
Subtotal			-	0.249		0.256		0.294		-		0.294	0.000	0.799	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305111F / Weather Service				Project (Number/Name) 672738 / Weather Service					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration AFLCMC	C/CPFF	AFLCMC : Hanscom AFB, MA	-	4.126	Oct 2024	4.257	Oct 2025	5.490	Oct 2026	-		5.490	0.000	13.873	-
Subtotal			-	4.126		4.257		5.490		-		5.490	0.000	13.873	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	39.438		50.129		29.331		-		29.331	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305111F / Weather Service					672738 / Weather Service									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Weather Service																												
Weather Data Analysis Inc 5 Deliveries																												
WARPspeed Deliveries																												
Numerical Weather Modeling Deliveries																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305111F / <i>Weather Service</i>	Project (Number/Name) 672738 / <i>Weather Service</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Weather Service</i>				
Weather Data Analysis Inc 5 Deliveries	1	2025	4	2031
WARPspeed Deliveries	1	2025	4	2031
Numerical Weather Modeling Deliveries	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305114F I Air Traffic Control, Approach, and Landing System (ATCALs)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	14.689	27.064	61.895	0.000	61.895	52.326	36.953	9.637	9.835	Continuing	Continuing
673587: Air Traffic Control System	0.000	14.689	27.064	61.895	0.000	61.895	52.326	36.953	9.637	9.835	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

To support the Air Force worldwide flying mission, the Air Traffic Control and Landing System (ATCALs) program element funds research, development, and management of fielded and emerging air traffic control communications, surveillance, automation, positioning, and precision approach and landing systems. ATCALs programs are focused on development of technology and strategies to support Agile Combat Employment (ACE) adaptive basing and agile basing concepts of operation as well as modernizing airfield operations to ensure enduring, resilient, efficient, and safe air operations. ATCALs also pursues opportunities in the organization, training, and equipping of ATC associated career fields and any new civil ATCALs technologies that may have military utility.

ATCALs currently includes three projects: Air Traffic Control (ATC) Future Technology (AFT), Multi-Function Tactical Radar System (MTRS), and Tactical ATC Operations System (TACOS).

1. AFT is a multi-project program focused on identifying and documenting capability gaps and associated future technologies in multiple areas of aircraft launch and recovery for both fixed and expeditionary operations. These gaps and technologies will be outlined in a bridging strategy, capability-based assessments, and capability roadmaps.

FY 2027 AFT research and development spans multiple projects that include the following:

- The Small Footprint Precision Approach and Landing Capability (SF-PALC) effort aims to reduce the footprint, transport and set-up time for delivering instrument landing system capabilities in an Agile Combat Employment (ACE) Environment. SF-PALC researches multiple technologies including a traditional instrumented landing system (ILS) approach and a non-traditional tactical transponder approach.
- The Flight Inspection Drone project manages the foreign comparative test of flight inspection drones against Federal Aviation Administration (FAA) and Air Force flight inspection requirements. The goal is to reduce flight inspections, fuel costs, and inspection time while also reducing exposure in a contested environment.

As these and other technologies and architectures mature, any applicable fixed-base or deployable, ground-system upgrades will be coordinated and fielded concurrently with related manned and unmanned aircraft avionics capabilities as required. When implemented, these efforts will enable Department of War (DoW) aircraft to enhance safety, security, efficiency, and affordability of global flight operations.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305114F I Air Traffic Control, Approach, and Landing System (ATCALS)				
2. The Multifunction Tactical Radar System (MTRS) will be capable of supporting Air Traffic Control (ATC) surveillance and communication, weather alerts, Unmanned Aircraft System (UAS) detection, and air battle management command control (BMC2) situational awareness. MTRS provides mobile ATC surveillance radar capability in an Agile Combat Operations (ACE) environment to replace the the unsupportable legacy (1970's-era) AN/MPN-14K. The last AN/MPN-14K will decommission in FY 2028. MTRS Initial Operational Capability (IOC) is anticipated in FY 2030. Two refurbished Air Traffic Control Navigation, Integration, and Coordination System (ATNAVICS) along with the three Africa Command (AFRICOM) Expeditionary Scalable MCRs will provide a limited material solution until MTRS IOC.						
3. The Tactical ATC Command and Control (C2) Operating Systems (TACOS) will automate, and display sensor feeds and includes the communication radios and voice switch needed by controllers to communicate to aircraft, host nations, and other agencies. TACOS will include the shelters, furniture, laptops, servers, software, power-supplies, and communications equipment needed for controllers to perform their mission in environments when existing infrastructure is damaged or does not exist. TACOS will include software interfaces with the greater Department of Air Force (DAF) Battle Network as well as appropriate C2 nodes for air battle management and counter-small UAS sensors and networks.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		15.143	17.259	0.000	0.000	0.000
Current President's Budget		14.689	27.064	61.895	0.000	61.895
Total Adjustments		-0.454	9.805	61.895	0.000	61.895
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	10.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.454	-0.195			
• Other Adjustments		0.000	0.000	61.895	0.000	61.895
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305114F <i>I Air Traffic Control, Approach, and Landing System (ATCALs)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Air Traffic Control (ATC) Future Technologies (AFT) Description: AFT is a multi-project investment portfolio focused on identifying and documenting capability gaps and associated future technologies in multiple areas of aircraft launch and recovery for both fixed and expeditionary operations. AFT works directly with Headquarters Air Force (HAF), Air Force Flight Standards Agency (AFFSA), Air Force Research Laboratory (AFWERX), and industry to develop and refine airfield operations requirements by assessing tech evaluations and demonstrations. AFT projects seek to enable Agile Combat Employment (ACE) operations in forward locations and addresses obsolescence of current technology, identifies new required technology, and closes airfield operations capability gaps. FY 2026 Plans: - Continue Lightweight Deployable-Instrument Landing System (LD-ILS) localizer array proof-of-concept testing for Small Footprint - Precision Approach Landing Capability (SF-PALC) efforts - Begin mechanical packaging of the complete LD-ILS into a more compact, deployable end-item - Start test and evaluation of flight inspection drones - Complete operational assessment of Mobile Air Traffic System (MATs) software FY 2027 Plans: - Will continue mechanical packaging of the complete Lightweight Deployable Instrument Landing System (LD-ILS) into a more compact, deployable end-item - Will complete test and evaluation of flight inspection drones - Will begin SF-PALC market research on both the non-traditional Tactical Transponder Landing System (TTLS) approaches and the LD-ILS approach - Will release RFP for SF-PALC material solution - Will conduct down-select and conduct contract award for SF-PALC material solution - Will begin requirements development for Man Portable Tactical Navigation (MP-TACAN) anti-jamming efforts - Will begin study of requirements for a Mobile/Deployable ATC Tower in response to emerging requirements FY 2026 to FY 2027 Increase/Decrease Statement: Decrease due to reprogramming for higher Department of War Priorities.		6.829	7.184	5.927
Title: Tactical ATC Operations System (TACOS) Description: The Tactical ATC Operations System (TACOS) enables deployable ATC operations by providing controllers ATC surveillance displays and communications equipment needed to effectively facilitate launch and recover operations at scale. TACOS is designed to ingest data from the Multifunction Tactical Radar System (MTRS) or other suitable sensor as well as network with the DAF Battle Network, counter-small Unmanned Aircraft Systems (UAS) and cooperative UAS sensors and		-	0.000	6.547

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305114F <i>I Air Traffic Control, Approach, and Landing System (ATCALs)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) networks in order to provide a comprehensive view of airfield operations while pushing information for collaborative warfighting Command and Control (C2). FY 2026 Plans: - Tactical ATC Operational System (TACOS) software development efforts continue as funded in the MTRS program prior to designation as a stand-alone development project in the FY27 PB. FY 2027 Plans: - TACOS will transition from technology demonstration to a stand-alone technology development program - Will develop requirements documents including CONOPS - Will conduct Request/Analyze Request For Information Responses - Will prepare acquisition strategy for approval - Will prepare/release Request for Proposal - Will conduct source selection and contract award FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to continuation of efforts previously tracked as a major thrust within the AFT program code to a stand-alone technical project under the new TACOS program code.		FY 2025	FY 2026	FY 2027
Title: Multi-Function Tactical Radar System (MTRS) Description: MTRS is a multifunction ATC surveillance sensor to support expeditionary operations. Supports Air Traffic Control Surveillance, Battle Management Command and Control (BMC2), Unmanned Aircraft Systems (UAS) surveillance/domain awareness, and weather sensing missions. This new multifunction ATC radar will have a lower total footprint and lifecycle costs. The MTRS program captures AFT technology demonstration results and continues system development as a stand-alone technology project. FY 2026 Plans: - Conduct two system functional reviews - Continue Mobile Air Traffic System Software integration into ultimate TACOS for counter-small UAS surveillance capability - Continue TACOS development ahead of stand-alone major thrust efforts in FY 2027 - Conduct preliminary design reviews - Conduct market research - Conduct industry request for information and collect RFI Information FY 2027 Plans: - Will transition from Technical Project to an ACAT III Major Capability Acquisition		7.860	19.880	49.004

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305114F <i>I Air Traffic Control, Approach, and Landing System (ATCALs)</i>		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
- Will down-select to single vendor - Will begin Major Capability Acquisition pre-production unit rapid prototyping efforts (3 prototypes) - Will conduct critical design review <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase due to transition from a technology project to a Program of Record in the Major Capability Acquisition pathway contract award for development of three prototype units.			
<i>Title:</i> Notice to Airmen (NOTAM) <i>Description:</i> NOTAMS provides aircrews and airfield ops personnel with airfield conditions, temporary flight restrictions, navigation aid and airfield lighting outage, ATC system outages, and special instructions for departing or landing at Department of War (DoW) airfields. Pilot review of NOTAMSs is mandatory safety requirement before each flight. <i>FY 2026 Plans:</i> -None <i>FY 2027 Plans:</i> - Will build and install software upgrades to prevent future outages <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase due to one-time Zero Base Reprogramming for NOTAMS software upgrades. Program remains in sustainment.	-	0.000	0.417
Accomplishments/Planned Programs Subtotals	14.689	27.064	61.895

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 0305114F: <i>Air Traffic Control, Approach, and Landing System</i>	11.752	11.770	12.222	-	12.222	12.955	13.193	13.428	13.696	0.000	89.016
Remarks FY 2026 Congressional add (10.0M) included in MTRS FY26 Plan (Page 4).											
E. Acquisition Strategy Air Traffic Control and Landing Systems (ATCALs) is a basket program element with multiple programs in various stages of acquisition which provide the air traffic control (ATC) infrastructure to support worldwide peacetime and wartime missions. The ATC Future Technology (AFT) portfolio is focused on fixed-based and											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305114F / <i>Air Traffic Control, Approach, and Landing System (ATCALs)</i>	
lightweight, scalable, readily deployable ATC equipment to support the National Defense Strategy. Current contracting efforts include, but are not limited to, Man Portable Tactical Navigation (MP-TACAN), Multi-Function Tactical Radar (MTRS), Tactical ATC Operations System (TACOS) and Small Footprint Precision Approach Capability (SF-PALC) including Lightweight Deployable Instrument Landing System (LD-ILS) and the Mode-5 (Identification of Friend and Foe) capable Tactical Transponder Landing System (TTLS) Acquisition pathways include Middle Tier of Acquisition and Major Capability Acquisition (MCA). Contract types include, but are not limited to, full and open competition, Other Transaction Authority (OTA), Small Business Innovative Research (SBIR), Cooperative Research and Development Agreement (CRADA)		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALs)						Project (Number/Name) 673587 / Air Traffic Control System			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Traffic Control Future Technology (AFT) Expeditionary Technology Development and Prototyping	C/FFP	AFLCMC/HBA : Hanscom AFB, MA	-	4.409	Mar 2025	4.079	Jan 2026	4.661	Jan 2027	-		4.661	Continuing	Continuing	-
Man-Portable Tactical Navigation (MP-TACAN) Electronically Scanned Antenna (ESA)	C/FFP	AFLCMC/HBAA : Tinker AFB, OK	-	-		-		-		-		-	0.000	0.000	-
Multi-Function Tactical Radar System (MTRS) - Non Recurring Engineering and Integration Costs	C/CPFF	AFLCMC/HBA : Hanscom AFB, MA	-	4.800	Jul 2025	7.315	Apr 2026	9.462	Dec 2026	-		9.462	Continuing	Continuing	-
MTRS - Prototype Hardware Costs	C/CPAF	Not specified. : TBD	-	-		-		31.180	Dec 2026	-		31.180	Continuing	Continuing	-
AFT Tactical Operations Center (TACOS) Technical Development	SS/CPFF	AFLCLC/HBA : Hanscom AFB, MA	-	-		-		2.211	Dec 2026	-		2.211	0.000	2.211	-
AFT Infill Radar Windfarm Coverage	SS/CPFF	AFLCMC/HBA : Hanscom AFB, MA	-	-		-		-		-		-	0.000	0.000	-
Subtotal			-	9.209		11.394		47.514		-		47.514	Continuing	Continuing	N/A
Remarks AFT Expeditionary Technology Development and Prototype: line includes funding for: Lightweight Deployable Instrument Landing System (LD-ILS), Flight-Inspection Drone evaluation, Tactical Air Traffic Control Command and Control Operating System (TACOS), Man-Portable Tactical Navigation (MP-TACAN) Anti Jamming development, Small Footprint - Precision Approach Landing Capability (SF-PALC) development, and Meshed Radar Characterization (Networking different radars together to produce a common operating picture).															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFT Research/Analysis	MIPR	FAA : Washington, DC	-	1.380	Dec 2024	0.855	Dec 2025	-		-		-	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALs)						Project (Number/Name) 673587 / Air Traffic Control System			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFT Travel	Various	AFLCMC/HBA : Hansom AFB, MA	-	0.056	Dec 2024	0.065	Dec 2025	0.075	Jan 2027	-		0.075	Continuing	Continuing	-
AFT Direct Cite Authority	C/CPAF	Not specified. : TBD	-	0.107	Dec 2024	-		-		-		-	Continuing	Continuing	-
Multi-Function Tactical Radar System (MTRS) / Mobile Air Traffic System (MATS) Research/Analysis	TBD	AFLCMC/HBA : Hanscom AFB, MA	-	1.388	Jul 2025	11.265	Jan 2026	-		-		-	Continuing	Continuing	-
MTRS Travel	Various	Not specified. : TBD	-	0.054	Jan 2025	0.050	Jan 2026	0.066	Jan 2027	-		0.066	Continuing	Continuing	-
Subtotal			-	2.985		12.235		0.141		-		0.141	Continuing	Continuing	N/A
Remarks Various contract types, performing activity and city/states are result of the use of Military Interdepartmental Purchase Requests (MIPR), Purchase Requests (PR), Project Orders (PO), etc. that are sent to multiple agencies in support of some tasks.															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFT Air Traffic Control and Landing Systems (ATCALs) Operational Test & Evaluation	WR	Various : Various	-	0.142	Jul 2025	0.155	Jan 2026	0.160	Jan 2027	-		0.160	Continuing	Continuing	-
AFT COTS Characterization	WR	Various : Various	-	0.184	Jun 2025	1.020	May 2026	1.137	Jan 2027	-		1.137	Continuing	Continuing	-
MTRS Test & Evaluation and Cybersecurity Builds	WR	Various : Various	-	-		-		2.105	Jul 2027	-		2.105	Continuing	Continuing	-
Subtotal			-	0.326		1.175		3.402		-		3.402	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALS)						Project (Number/Name) 673587 / Air Traffic Control System			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFT Program Support Costs (PSC)	C/CPFF	Various : Hanscom AFB, MA	-	0.971	Jul 2025	1.010	Jan 2026	5.169	Jan 2027	-		5.169	Continuing	Continuing	-
Multi-Function Radar System (MTRS) PSC	C/CPFF	Various : Hanscom AFB, MA	-	1.198	Dec 2024	1.250	Jan 2026	5.669	Jan 2027	-		5.669	Continuing	Continuing	-
Subtotal			-	2.169		2.260		10.838		-		10.838	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	14.689		27.064		61.895		-		61.895	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALS)			Project (Number/Name) 673587 / Air Traffic Control System

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ATC Future Technology (AFT)																												
AFT Technology Development and Market Research																												
Small Footprint Precision Approach Landing System (SF-PALC) capability																												
Lightweight Deployable Instrument Landing System (LD-ILS) - Traditional SF-PALC Approach																												
LD-ILS Localizer Antenna Development																												
LD-ILS Mechanical Packaging																												
Expeditionary Transponder Landing System (ETLS) / Tactical Transponder Landing System (TTLS) Technical Exchange with Air Force Special Operations Command																												
Small Footprint Precision Approach Landing Capability (SF-PALC) RFI and Market Research (Both LD-ILS and TTLS approaches)																												
SF-PALC RFP																												
SF-PALC Down-select to single approach and Contract Award																												
SF-PALC Product Development, NRE, Integration, and Prototyping, and Testing																												
Mobile Air Traffic System (MATS)																												
MATS Demonstration System Operational Assessment																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALs)

Project (Number/Name)

673587 / Air Traffic Control System

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MATS integration into Tactical ATC Operations System (TACOS) in TACOS stand-alone technical project																												
Flight Inspection Drones: technology evaluation to meet flight inspection requirements																												
Multi-Function Tactical Radar System (MTRS)																												
MTRS Stand Alone Technical Project - Aug 2025																												
MTRS Preliminary Design																												
MTRS Development of critical enabling tech																												
MTRS Vendor Preliminary Design Review																												
MTRS Major Capability Acquisition (MCA) Approval - Sep 2026																												
MTRS Contract Award																												
MTRS Prototype Development																												
Tactical ATC Operations System (TACOS)																												
TACOS Stand-Alone Technical Project																												
TACOS Hardware-Software Integration Efforts																												
TACOS RFP Release																												
TACOS Contract Award																												
TACOS Software Hardware Integration, Non-Recurring Engineering, Product Development																												
TACOS Transition to Production																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALs)

Project (Number/Name)

673587 / Air Traffic Control System

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ATC Future Technology (AFT)				
AFT Technology Development and Market Research	1	2025	4	2031
Small Footprint Precision Approach Landing System (SF-PALC) capability	1	2025	4	2031
Lightweight Deployable Instrument Landing System (LD-ILS) - Traditional SF-PALC Approach	1	2025	4	2028
LD-ILS Localizer Antenna Development	1	2025	3	2026
LD-ILS Mechanical Packaging	3	2026	4	2028
Expeditionary Transponder Landing System (ETLS) / Tactical Transponder Landing System (TTLS) Technical Exchange with Air Force Special Operations Command	1	2025	4	2028
Small Footprint Precision Approach Landing Capability (SF-PALC) RFI and Market Research (Both LD-ILS and TTLS approaches)	1	2027	4	2027
SF-PALC RFP	1	2028	2	2028
SF-PALC Down-select to single approach and Contract Award	3	2028	4	2028
SF-PALC Product Development, NRE, Integration, and Prototyping, and Testing	4	2028	4	2031
Mobile Air Traffic System (MATS)	1	2025	4	2026
MATS Demonstration System Operational Assessment	1	2025	4	2026
MATS integration into Tactical ATC Operations System (TACOS) in TACOS stand-alone technical project	1	2027	4	2027
Flight Inspection Drones: technology evaluation to meet flight inspection requirements	3	2026	3	2027
Multi-Function Tactical Radar System (MTRS)				
MTRS Stand Alone Technical Project - Aug 2025	3	2025	3	2025
MTRS Preliminary Design	3	2025	3	2026
MTRS Development of critical enabling tech	3	2025	4	2026

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0305114F / Air Traffic Control, Approach, and Landing System (ATCALs)

Project (Number/Name)

673587 / Air Traffic Control System

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MTRS Vendor Preliminary Design Review	4	2026	4	2026
MTRS Major Capability Acquisition (MCA) Approval - Sep 2026	1	2027	1	2027
MTRS Contract Award	1	2027	1	2027
MTRS Prototype Development	1	2027	4	2031
<i>Tactical ATC Operations System (TACOS)</i>				
TACOS Stand-Alone Technical Project	1	2027	4	2031
TACOS Hardware-Software Integration Efforts	1	2027	4	2029
TACOS RFP Release	1	2027	2	2027
TACOS Contract Award	3	2027	4	2027
TACOS Software Hardware Integration, Non-Recurring Engineering, Product Development	1	2028	4	2029
TACOS Transition to Production	1	2030	4	2031

Note

Phase I funded under AFT program. MB-MTRS program fund events begin in FY25.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305116F I Aerial Targets							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	5.870	5.011	1.704	0.000	1.704	1.765	1.798	1.832	1.869	Continuing	Continuing
675136: Target Systems Development	0.000	5.870	5.011	1.704	0.000	1.704	1.765	1.798	1.832	1.869	Continuing	Continuing

A. Mission Description and Budget Item Justification

Full-scale Aerial Targets (FSAT), Subscale Aerial Targets (SSAT), and companion Target Control Systems (TCS) assure the effectiveness and currency of warfighter weapon systems to combat real-world enemy fighters and cruise missiles. Aerial targets support adherence to Public Law Title 10, Section 4172, which requires major systems and munitions programs to conduct live fire survivability and lethality testing before full rate production. Targets are used to validate operational missile/weapon system effectiveness and fighter Operational Flight Program (OFP) updates. Targets are required for developmental/operational testing for all surface-to-air and air-to-air missiles employed by the F-22A, F-35, F-18, F-16, F-15, among other aircraft. Funding supports simulator development and improvements on FSAT, BQM-167A SSAT, and updates of Target Control Systems and specialized target payload subsystems for requirements such as: missile scoring, electronic attack (EA), infrared (IR) countermeasures, radar/IR signature augmentation, and chaff and flare dispensing systems. Enables analysis, development and prototyping of threat emulations/ simulations, and presentation of evolving threat scenarios and target area environments to prepare for emerging weapons development activities. Development is required to evolve aerial targets and target control capabilities to meet current and future threats. Air Force is the executive agent for full-scale aerial targets.

The Aerial Targets Program leverages and implements tenets of Open, Agile, and Digital acquisition for any new subsystem hardware or software development. Integrates the system in weapon portfolio tradespace studies by conducting trade studies, system engineering, test activities, and prototype and concept development, supporting system modeling and simulation. Builds and refines a mission modeling framework by incorporating higher-fidelity weapon system designs and updates to the threat landscape to conduct ongoing assessment of weapon system performance against the authoritative threat. Invests in analytical, information management, data management, digital environments, and networks directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.

Leverages Digital acquisition tenets of open, agile and digital. This may include providing funds to prime contractors; program office contract support; facility, security and IT upgrades; common component development with other weapon systems to reduce redundant costs.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

The FY 2027 funding request is for continued investment in critical improvements to Aerial Targets product lines, directly supporting the Department of Defense's initiative to improve live-fire testing and enhance readiness against peer-level adversaries. Specifically, these funds will support two key initiatives, (1) Establishment of Mid-Wing Pylon Capability on Air Force Sub-scale Aerial Targets and (2) Continued Modernization of the Command and Control (C2) System. Mid-wing Pylon capability is critical for emulating the characteristics of emerging threat aircraft, allowing for more accurate radar, electronic warfare, and weapon system testing. C2 modernization

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305116F / <i>Aerial Targets</i>

initiatives include user interface enhancements, touch screen interfaces, 3-D renderings of post-mission replay, increased situational awareness for reduced response time in simulated threat scenarios, and enhanced accident analysis capabilities, projected to reduce accidents through improved data analysis and training.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	6.085	5.081	0.000	0.000	0.000
Current President's Budget	5.870	5.011	1.704	0.000	1.704
Total Adjustments	-0.215	-0.070	1.704	0.000	1.704
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.215	-0.070			
• Other Adjustments	0.000	0.000	1.704	0.000	1.704

Change Summary Explanation

The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305116F / <i>Aerial Targets</i>				Project (Number/Name) 675136 / <i>Target Systems Development</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675136: <i>Target Systems Development</i>	0.000	5.870	5.011	1.704	0.000	1.704	1.765	1.798	1.832	1.869	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Full-scale Aerial Targets (FSAT), Subscale Aerial Targets (SSAT), and companion Target Control Systems (TCS) assure the effectiveness and currency of warfighter weapon systems to combat real-world enemy fighters and cruise missiles. Aerial targets support adherence to Public Law Title 10, Section 4172, which requires major systems and munitions programs to conduct live fire survivability and lethality testing before full rate production. Targets are used to validate operational missile/weapon system effectiveness and fighter Operational Flight Program (OFP) updates. Targets are required for developmental/operational testing for all surface-to-air and air-to-air missiles employed by the F-22A, F-35, F-18, F-16, F-15, among other aircraft. Funding supports simulator development and improvements on FSAT, BQM-167A SSAT, and updates of Target Control Systems and specialized target payload subsystems for requirements such as: missile scoring, electronic attack (EA), infrared (IR) countermeasures, radar/IR signature augmentation, and chaff and flare dispensing systems. Enables analysis, development and prototyping of threat emulations/simulations, and presentation of evolving threat scenarios and target area environments to prepare for emerging weapons development activities. Development is required to evolve aerial targets and target control capabilities to meet current and future threats. Air Force is the executive agent for full-scale aerial targets.

The Aerial Targets Program leverages and implements tenets of Open, Agile, and Digital acquisition for any new subsystem hardware or software development. Integrates the system in weapon portfolio tradespace studies by conducting trade studies, system engineering, test activities, and prototype and concept development, supporting system modeling and simulation. Builds and refines a mission modeling framework by incorporating higher-fidelity weapon system designs and updates to the threat landscape to conduct ongoing assessment of weapon system performance against the authoritative threat. Invests in analytical, information management, data management, digital environments, and networks directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.

Leverages Digital acquisition tenets of open, agile and digital. This may include providing funds to prime contractors; program office contract support; facility, security and IT upgrades; common component development with other weapon systems to reduce redundant costs.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

The FY2027 funding request is for continued investment in critical improvements to Aerial Targets product lines, directly supporting the Department of Defense's initiative to improve live-fire testing and enhance readiness against peer-level adversaries. Specifically, these funds will support two key initiatives, (1) Establishment of Mid-Wing Pylon Capability on Air Force Sub-scale Aerial Targets and (2) Continued Modernization of the Command and Control (C2) System. Mid-wing Pylon capability is critical for emulating the characteristics of emerging threat aircraft, allowing for more accurate radar, electronic warfare, and weapon system testing. C2 modernization initiatives include user interface enhancements, touch screen interfaces, 3-D renderings of post-mission replay, increased situational awareness for reduced response time in simulated threat scenarios, and enhanced accident analysis capabilities, projected to reduce accidents through improved data analysis and training.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305116F / Aerial Targets		Project (Number/Name) 675136 / Target Systems Development		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: AF Subscale Aerial Target (AFSAT) Development Description: Provide enhancements to AFSAT ability to emulate emerging threats in support of weapon testing. FY 2026 Plans: FY 2026 to fund the Air Force Subscale Aerial Target (AFSAT) Integrated Flight Controller (IFC) microprocessor-based unit that controls the entire flight control functionality and maneuverability. FY 2027 Base Plans: FY 2027 to fund the Air Force Subscale Aerial Target (AFSAT) mid wing pylon modification for increased target maneuverability, improved target launch and enhanced threat emulation. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: FY 2026 to FY 2027 increases due to inflation		1.188	1.147	1.181	0.000	1.18
Title: Target Control System (TCS) Description: Provide system enhancements to Advance Airborne Threat Target Control System (AATTCS), formerly known as Gulf Range Drone Control System (GRDCS), for command and control and tracking of aerial targets. Funding may be utilized for development/augmentation/modification of control systems to fulfill gaps in functional capabilities identified in 2018 ACC Capabilities Analysis of target control systems. Gaps relate to creating the emulation of next generation enemy aircraft threats. FY 2026 Plans: FY 2026 funding to modernize the target control system, addressing current capability gaps. This includes support for increasing simultaneous target C2, mitigating frequency encroachment, adding encryption, and extending the C2 footprint with reduced infrastructure. Additionally, the funding supports the increase of operator/participant situational awareness while expanding payload combinations and enables autonomous terrain following capabilities. Furthermore, the funding supports the control and integration of future Aerial Targets. FY 2027 Base Plans: FY 2027 to fund the Target Control System (TCS) continued modernization with user interface enhancements (e.g., touch screen interfaces, 3-D, post mission replay) for improved data analysis and weapons testing. FY 2027 OOC Plans:		4.682	3.864	0.523	0.000	0.523

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0305116F / Aerial Targets				Project (Number/Name) 675136 / Target Systems Development			
B. Accomplishments/Planned Programs (\$ in Millions)						FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
N/A											
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2026 to FY2027 decreases due to the completion of the Target Control System modernization effort.											
Accomplishments/Planned Programs Subtotals						5.870	5.011	1.704	0.000	1.704	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 04 Line Item 10TRGT: Target Drones	37.581	34.224	31.912	-	31.912	33.219	33.799	34.529	35.202	0.000	240.466
• APAF 06 000999: Initials Spares	0.659	0.668	0.686	-	0.686	0.700	0.713	0.727	0.740	0.000	4.893
• APAF 07 000074: War Consumables	5.225	5.295	5.446	-	5.446	5.556	5.658	5.765	5.878	0.000	38.823
• APAF 07 Line Item 000075: Other Production Charges	18.377	18.623	19.145	-	19.145	19.521	18.882	20.257	20.652	0.000	135.457
Remarks											
APAF, BA 04: Target Drones 10TRGT - Full Scale and Subscale Aerial Targets assure warfighters' weapon systems will perform effectively against real-world enemy fighters and cruise missiles. Adheres to Public Law title 10, Section 4172 "Live fire/Lethality" developmental/operational test requirements.											
APAF, BA 06: Initial Spares/Repair Parts - Aircraft Initial Spares are required to fill the initial pipeline or inventory for all new aircraft systems, including modifications, support equipment, and other production categories. Initial spares include peculiar repairable and consumable components, assemblies, and sub-assemblies that must be available for issues at all levels of supply in time to support newly fielded end items.											
APAF, BA 07: War Consumables - AFSAT Rocket-Assisted Take-Off (RATO) requirements executed at Hill AFB. A RATO is used in the initial launch phase to obtain appropriate speed and altitude.											
APAF, BA 07: Other Production Charges - ALQ-167 and/or DLQ-9 Electronic Attack (EA) payloads for target drones including support equipment. Payloads emulate threat aircraft electronic countermeasures and jamming capabilities.											
D. Acquisition Strategy											
The AFSAT acquisition strategy is a sole source follow-on contract. The Target Control System acquisition strategy includes several small projects to provide enhancements to TCS (to include AATTCS) and will be accomplished with other government agencies and contracts as needed.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305116F / Aerial Targets				Project (Number/Name) 675136 / Target Systems Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Subscale Aerial Target (AFSAT) Product Improvements	SS/ Various	Various : CA	-	1.188	Feb 2025	1.147	Mar 2026	1.181	Oct 2026	-		1.181	Continuing	Continuing	-
Target Control System	Various	Eglin AFB : FL	-	4.682	Apr 2025	3.864	Mar 2026	0.523	Oct 2026	-		0.523	Continuing	Continuing	-
Subtotal			-	5.870		5.011		1.704		-		1.704	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	5.870		5.011		1.704		-		1.704	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305116F / Aerial Targets					675136 / Target Systems Development									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Target System Development																												
AFSAT Flt Controller System Upgrade																												
TCS Modernization																												
AFSAT Mid-wing Pylon																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305116F / Aerial Targets	Project (Number/Name) 675136 / Target Systems Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Target System Development				
AFSAT Flt Controller System Upgrade	1	2025	1	2027
TCS Modernization	1	2025	4	2027
AFSAT Mid-wing Pylon	1	2027	1	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305128F I Security and Investigative Activities							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.463	7.855	9.642	0.000	9.642	0.417	0.425	0.434	0.442	Continuing	Continuing
671931: TECH SURVEIL COUNTER MEAS EQPT	0.000	0.463	7.855	9.642	0.000	9.642	0.417	0.425	0.434	0.442	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Technical Surveillance Countermeasures (TSCM) develops future technologies designed to find, fix, track, and neutralize law enforcement and counterintelligence threats to the Department of the Air Force (DAF). The technologies will enable criminal and counterintelligence investigations and operations involving high-tech crimes and cyber activities. The technologies are unique, complex, and the equipment must be continuously updated to ensure state-of-the-art capabilities are utilized to counter increasingly sophisticated threats targeting DAF equities. AFOSI also conducts a Capabilities Based Assessment (CBA) the Law Enforcement Evidence Data Repository (LEEDR) program ongoing at Fort Eisenhower, GA.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2024 \$0.000M was expended for civilian pay expenses in this program element, and in FY2025 \$0.000M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.481	8.964	0.000	0.000	0.000
Current President's Budget	0.463	7.855	9.642	0.000	9.642
Total Adjustments	-0.018	-1.109	9.642	0.000	9.642
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	-0.109			
• Other Adjustments	-0.018	-1.000	9.642	0.000	9.642

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305128F <i>I Security and Investigative Activities</i>		
<u>Change Summary Explanation</u> In FY26, responsibility for funding for development of the Law Enforcement Evidence Data Repository (LEEDR) program ongoing at Fort Eisenhower, GA. transferred from PE 31113F to 35128F			
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
<i>Title:</i> TSCM <i>Description:</i> These funds will support development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities. <i>FY 2026 Plans:</i> Continuing development of law enforcement and counterintelligence restricted tools. <i>FY 2027 Plans:</i> Will continue development of law enforcement and counterintelligence restricted tools. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.	0.463	7.855	9.642
Accomplishments/Planned Programs Subtotals	0.463	7.855	9.642
D. Other Program Funding Summary (\$ in Millions) N/A <u>Remarks</u> E. Acquisition Strategy Market Research and acquisition channels. These funds will support iterative development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities. Market research is continuously conducted jointly with partner DoD and USG entities, and once complete, acquisition channels are coordinated and deconflicted.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305128F / Security and Investigative Activities				Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Evidence Storage System	C/CPFF	TBD : TBD	-	-		0.750	Mar 2026	0.860		-		0.860	Continuing	Continuing	-
Digital File Storage	C/CPFF	TBD : TBD	-	-		0.650	Dec 2025	1.100		-		1.100	Continuing	Continuing	-
Data Management	C/CPFF	MRP : Alexandria, VA	-	-		1.972	Dec 2025	2.072		-		2.072	Continuing	Continuing	-
Data Integration	SS/FFP	Veritone : Irvine, CA	-	-		0.891	Jun 2026	1.400		-		1.400	Continuing	Continuing	-
A/V Management Software	C/CPFF	TBD : TBD	-	-		0.650	Sep 2026	1.100		-		1.100	Continuing	Continuing	-
Subtotal			-	-		4.913		6.532		-		6.532	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TSCM R/D	MIPR	NRL : Washington, DC	-	0.463	Apr 2025	0.492	Apr 2026	0.792		-		0.792	Continuing	Continuing	-
Integration	SS/CPFF	MRP : Alexandria, VA	-	-		1.000	Dec 2025	0.900		-		0.900	Continuing	Continuing	-
Data Synthesis	SS/FFP	Virtualitics : Pasadena, CA	-	-		1.450	Dec 2025	1.418		-		1.418	Continuing	Continuing	-
Subtotal			-	0.463		2.942		3.110		-		3.110	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.463		7.855		9.642		-		9.642	Continuing	Continuing	N/A
Remarks															
These funds will support development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0305128F / Security and Investigative Activities					671931 / TECH SURVEIL COUNTER MEAS EQPT			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Technical Surveillance Equipment Test & Evaluation																												
Complete Phase X TSCM LASER Project																												
Tech Service Ops Advanced Tool Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305128F / Security and Investigative Activities	Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Technical Surveillance Equipment Test & Evaluation				
Complete Phase X TSCM LASER Project	1	2026	4	2026
Tech Service Ops Advanced Tool Development	1	2025	4	2030

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305146F I Defense Joint Counterintelligence Activities							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.387	6.524	2.469	0.000	2.469	2.710	2.843	2.977	3.119	Continuing	Continuing
671931: TECH SURVEIL COUNTER MEAS EQPT	0.000	6.387	6.524	2.469	0.000	2.469	2.710	2.843	2.977	3.119	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Technical Surveillance Countermeasures (TSCM) develops future technologies capable of thwarting advanced hostile force and foreign intelligence technical capabilities. The technologies will provide secure environments for austere mission planning locations and theater commander centers, and will collect information for counterintelligence (CI) operations in support of DoD and AF requirements.

CI Cyber activities enable the Department of the Air Force Office of Special Investigations to detect and neutralize covert activities conducted by Foreign Intelligence Entities seeking to compromise classified or sensitive information in cyberspace. The technologies provided will enhance state of the art capabilities to detect and neutralize criminal activities targeted against sensitive and classified AF and DoD information, activities, and technology.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2025 0.000M was expended for civilian pay expenses in this program element, and in FY2026 0.000M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305146F I Defense Joint Counterintelligence Activities				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	6.387	6.524	0.000	0.000	0.000	
Current President's Budget	6.387	6.524	2.469	0.000	2.469	
Total Adjustments	0.000	0.000	2.469	0.000	2.469	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	2.469	0.000	2.469	
Change Summary Explanation						
Minor decrease from previous President's Budget due to recalculation of inflation across the Department.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Technical Surveillance Countermeasures (TSCM)				0.427	0.441	0.455
Description: TSCM will develop future technologies capable of thwarting advanced, hostile force technical capabilities. They will be developed to provide secure environments to austere mission planning locations, theater commander centers, and will collect information for counterthreat operations in support of DoD and AF requirements.						
FY 2026 Plans: Continuing advancement of counterintelligence equipment and software.						
FY 2027 Plans: Will continue advancement of counterintelligence equipment and software.						
FY 2026 to FY 2027 Increase/Decrease Statement: The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
Title: Cyber Counterintelligence Pilot				5.960	6.083	2.014
Description: This effort builds OSI's cyber enclave to support various lines of effort, including COPPER CASTLE, JUPITER SENTINEL, and broader cyber threat pursuit activities.						
FY 2026 Plans:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305146F / <i>Defense Joint Counterintelligence Activities</i>		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Continuing R&D for new iterations of Cyber Threat Pursuit Activities, COPPER CASTLE, and JUPITER SENTINEL.			
<i>FY 2027 Plans:</i> Will continue R&D for new iterations of Cyber Threat Pursuit Activities, COPPER CASTLE, and JUPITER SENTINEL.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			
Accomplishments/Planned Programs Subtotals	6.387	6.524	2.469

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 0305146F: <i>Defense Joint Counter Intelligence Program</i>	0.000	0.000	-	-	-	-	-	-	-	Continuing	Continuing
Remarks											
E. Acquisition Strategy Defense Joint Counterintelligence Program TSCM funds will be obligated on existing contracts with Naval Research Labs and DARPA. Counterintelligence (CI) Cyber funding will be obligated on an existing Air Force contract with MIT/Lincoln Labs, Sandia National Labs, and Air Force Research Labs.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305146F / Defense Joint Counterintelli gence Activities						Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Naval Research Lab	MIPR	Navy/Air Force : Washington, DC	-	0.430	Mar 2025	0.443	Mar 2026	0.612		-		0.612	Continuing	Continuing	-
MIT/Lincoln Labs	MIPR	Air Force : Lexington, MA	-	3.000	Mar 2025	3.000	Mar 2026	0.610		-		0.610	Continuing	Continuing	-
Sandia National Labs	MIPR	Air Force : Albuquerque, NM	-	0.500	Nov 2024	0.500	Dec 2025	0.645		-		0.645	Continuing	Continuing	-
Air Force Research Labs	MIPR	Air Force : Rome, NY	-	2.457	Mar 2025	2.581	Mar 2026	0.602		-		0.602	Continuing	Continuing	-
Subtotal			-	6.387		6.524		2.469		-		2.469	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	6.387		6.524		2.469		-		2.469	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0305146F / Defense Joint Counterintelligence Activities					671931 / TECH SURVEIL COUNTER MEAS EQPT			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Technical Countermeasures Equipment & Cyber Research & Development																												
Develop Counterintelligence Equipment and Software																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305146F / Defense Joint Counterintelli gence Activities	Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Technical Countermeasures Equipment & Cyber Research & Development				
Develop Counterintelligence Equipment and Software	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305155F I Theater Nuclear Weapon Storage & Security System							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	24.364	0.000	24.364	21.504	0.000	0.000	0.000	0.000	45.868
674612: WS3 Vault Modernization	0.000	0.000	0.000	24.364	0.000	24.364	21.504	0.000	0.000	0.000	0.000	45.868
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY2027 Program 0305155F, Nuclear Weapons Support, Transferred from Budget Activity 05 System Development & Demonstration Project 655708 to Budget Activity 7, Operational System Development Project 674612; per FMB direction due to program 0604222F Nuclear Weapons Support duplicated Project 655708 Nuclear Weapon Support.												
A. Mission Description and Budget Item Justification The Weapon Storage and Security System (WS3) is a US maintained/operated system of systems that supports the nuclear mission by providing the capability to securely and safely store resources deployed in Europe. The Vault Modernization Program (VMP) ensures National Security Directive 42 (NSD-42) compliance and addresses system obsolescence issues. Detailed information is classified and can be provided. Funding is required for VMP to deliver an NSD-42 compliant encryption system necessary to secure forward deployed nuclear weapons in Europe in time to meet the required need date. A non-compliance will result in the need for US and NATO partner nations to post unplanned and unfunded security forces continuously until a compliant encryption system is delivered and installed. Detailed information is classified and can be provided. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305155F / Theater Nuclear Weapon Storage & Security System				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.000	0.000	0.000	0.000	0.000	
Current President's Budget	0.000	0.000	24.364	0.000	24.364	
Total Adjustments	0.000	0.000	24.364	0.000	24.364	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	24.364	0.000	24.364	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Vault Modernization Program (VMP)				-	0.000	24.364
Description: Supports development, test, and evaluation of NSA-mandated crypto update and modernization of the Theater Nuclear Weapon Storage & Security System (WS3) storage vaults.						
FY 2026 Plans: FY2025/FY2026 funding in BPAC 655708. In FY2027 Program 0305155F, Nuclear Weapons Support, Transferred from Budget Activity 05 System Development & Demonstration Project 655708 to Budget Activity 7, Operational System Development Project 674612.						
FY 2027 Plans: "Continue to incrementally fund the second task order for maturing the detailed specifications and design of the impacted vault subsystems. This effort encompasses adjudication of NSA encryption requirements.						
Additional detailed information is classified and can be provided at higher classification levels."						
FY 2026 to FY 2027 Increase/Decrease Statement: Increase in funding due to WS3 VMP entering full design and development, characterizing the entire WS3 system.						
Accomplishments/Planned Programs Subtotals				-	0.000	24.364

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0305155F / Theater Nuclear Weapon Storage & Security System					

D. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 05 0305155F: Theater Nuclear Weapon Storage & Security System	1.936	19.777	-	-	-	-	-	-	-	0.000	21.713
• OPAF 03 0305155F: Theater Nuclear Weapon Storage & Security System	-	-	23.326	-	23.326	39.333	40.999	29.238	35.496	0.661	169.053

Remarks
In FY2027 Program 0305155F, Nuclear Weapons Support, Transferred from Budget Activity 05 System Development & Demonstration Project 655708 to Budget Activity 7, Operational System Development Project 674612; per FMB direction due to program 0604222F Nuclear Weapons Support duplicated Project 655708 Nuclear Weapon Support.

E. Acquisition Strategy

N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305155F / Theater Nuclear Weapon Storage & Security System						Project (Number/Name) 674612 / WS3 Vault Modernization			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Vault Modernization	C/CPFF	TBD : TBD	-	-		-		21.776	Mar 2027	-		21.776	Continuing	Continuing	-
Subtotal			-	-		-		21.776		-		21.776	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Crypt-O Support	Various	Not specified. : TBD	-	-		-		0.325	Mar 2027	-		0.325	Continuing	Continuing	-
Subtotal			-	-		-		0.325		-		0.325	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	Not specified. : TBD	-	-		-		0.150	Mar 2027	-		0.150	Continuing	Continuing	-
Subtotal			-	-		-		0.150		-		0.150	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	Various	Not specified. : TBD	-	-		-		2.113	Jun 2027	-		2.113	Continuing	Continuing	-
Subtotal			-	-		-		2.113		-		2.113	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		24.364		-		24.364	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305155F / Theater Nuclear Weapon S torage & Security System				Project (Number/Name) 674612 / WS3 Vault Modernization			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Vault Modernization Program																												
Milestone B																												
Preliminary Design Review																												
Critical Design Review																												
Milestone C																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305155F / Theater Nuclear Weapon Storage & Security System	Project (Number/Name) 674612 / WS3 Vault Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Vault Modernization Program				
Milestone B	1	2027	1	2027
Preliminary Design Review	4	2027	4	2027
Critical Design Review	4	2028	4	2028
Milestone C	1	2030	1	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305158F I Tactical Terminal							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.482	1.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.566
674139: Civilian Compensation Program	0.000	0.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.482
674395: Radio	0.000	0.000	1.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.084

A. Mission Description and Budget Item Justification

The Tactical Terminal program provides Integrated Broadcast Service (IBS)-compatible terminals (radios) that access the IBS broadcast, providing Air Force warfighters strategic, operational, and tactical intelligence and threat warning information. The Tactical Terminal family of systems provide both airborne and ground weapon systems transmit/receive and receive-only solutions. The program also performs development, testing, and support efforts for software and hardware modifications/ enhancements to tactical terminals.

Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305158F I Tactical Terminal			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.501	1.099	0.000	0.000	0.000
Current President's Budget	0.482	1.084	0.000	0.000	0.000
Total Adjustments	-0.019	-0.015	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.019	-0.015			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>				Project (Number/Name) 674139 / <i>Civilian Compensation Program</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674139: <i>Civilian Compensation Program</i>	0.000	0.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.482
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Tactical Terminal program provides Integrated Broadcast Service (IBS)-compatible terminals (radios) that access the IBS broadcast, providing Air Force warfighters strategic, operational, and tactical intelligence and threat warning information. The program also performs development, testing, and support efforts for software and hardware modifications/enhancements to tactical terminals. The Tactical Terminal family of systems provide both airborne and ground weapons systems transmit/ receive and receive-only solutions.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. FY 2025 0.000M was expended for civilian pay expenses in this program element. In FY 2026 0.000M is forecasted for civilian pay expenses in this program element.

In FY2026, PE 0305158F, Tactical Terminal, Project 674139, Civilian Compensation efforts will be transferred to PE 0305158F, Tactical Terminal, Project 674395, Radio, in order to better align efforts with proper project.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Tactical Terminal Modifications/Enhancements Trade Study	0.482	0.000	-
Description: This effort funds the study, development, testing, and support to software and hardware modifications/enhancements to tactical terminals.			
FY 2026 Plans: In FY 2026, funding (\$1.084M) will be executed in PE 0305158F, BPAC 674395 Radio.			
FY 2026 to FY 2027 Increase/Decrease Statement: N/A.			
Accomplishments/Planned Programs Subtotals	0.482	0.000	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>				Project (Number/Name) 674139 / <i>Civilian Compensation Program</i>			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 837190: Radio Equipment	6.258	14.077	-	-	-	-	-	-	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
This effort funds necessary development, testing, and support to software and hardware modifications/enhancements to tactical terminals. Funds will be sent to DoD services, Other Government Agencies (OGAs), and agencies via Military Interdepartmental Purchase Request (MIPR) for execution.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305158F / Tactical Terminal						Project (Number/Name) 674139 / Civilian Compensation Program			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tactical Terminal Modifications/ Enhancements Trade Study	MIPR	OGA/Various : Multiple	-	0.482	Nov 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.482		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.482		-		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																								Date: April 2026															
Appropriation/Budget Activity 3600 / 7												R-1 Program Element (Number/Name) PE 0305158F / Tactical Terminal								Project (Number/Name) 674139 / Civilian Compensation Program																			
												FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
												1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Tactical Terminals																																							
Tactical Terminal Modifications/ Enhancements Trade Study																																							

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>	Project (Number/Name) 674139 / <i>Civilian Compensation Program</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Tactical Terminals</i>				
Tactical Terminal Modifications/Enhancements Trade Study	3	2026	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>				Project (Number/Name) 674395 / <i>Radio</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674395: <i>Radio</i>	0.000	0.000	1.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.084
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2026, PE 0305158F, Tactical Terminals, Project 674139, Civilian Compensation efforts will be transferred to PE 0305158F, Tactical Terminals, Project 674395, Radio, in order to better align efforts with proper Project.

A. Mission Description and Budget Item Justification

The Tactical Terminal program provides Integrated Broadcast Service (IBS)-compatible terminals (radios) that access the IBS broadcast, providing Air Force warfighters strategic, operational, and tactical intelligence and threat warning information. The Tactical Terminal family of systems provide both airborne and ground weapons systems transmit/receive and receive-only solutions. The program also performs development, testing, and support efforts for software and hardware modifications/enhancements to tactical terminals.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Tactical Terminal Modifications/ Enhancements Trade Study	-	0.348	-
Description: This effort funds the study, development, testing, and support to software and hardware modifications/enhancements to tactical terminals.			
FY 2026 Plans: - Complete a gap analysis to ensure compatibility with the Joint Tactical Terminal-Next Generation's (JTT-NG) and existing platform IBS infrastructure - Complete a comprehensive trade study to evaluate available hardware and software solutions for hosting the user interface software on the JTT-NG			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased because the trade study will be completed in FY2026.			
Title: Tactical Terminal Modifications/Enhancements and Support	-	0.736	-
Description: This effort funds development, testing, and support to software and hardware modifications/enhancements to tactical terminals.			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>			Project (Number/Name) 674395 / <i>Radio</i>					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
- Integrating findings of the trade study and gap analysis to inform and initiate the development, testing, and support activities for software and hardware modifications and enhancements to the Joint Tactical Terminal - Next Generation (JTT-NG) terminal - Validating that the JTT-NG achieves full compliance with all applicable Air Force tactical terminal capability, interoperability, and security mandate requirements <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding decreased to support higher Air Force priorities											
Accomplishments/Planned Programs Subtotals							-	1.084	-		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 837190: <i>Radio Equipment</i>	6.258	14.077	-	-	-	-	-	-	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
This effort funds necessary development, testing, and support to software and hardware modifications/enhancements to tactical terminals. Funds will be sent to DoD services, Other Government Agencies (OGAs), and agencies via Military Interdepartmental Purchase Request (MIPR) for execution.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305158F / Tactical Terminal				Project (Number/Name) 674395 / Radio					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Tactical Terminal Modifications/ Enhancements Trade Study	MIPR	OGA/ Various :Multiple : Various	-	-		0.348	Nov 2025	-		-		-	Continuing	Continuing	-
Tactical Terminal Modifications/ Enhancements and Support	MIPR	OGA/ Various :Multiple : Various	-	-		0.736	Aug 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		1.084		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		1.084		-		-		-	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>						Project (Number/Name) 674395 / <i>Radio</i>			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Tactical Terminal</i>																												
Tactical Terminal Modifications/ Enhancements Trade Study																												
Tactical Terminal Modifications/ Enhancements and Support																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305158F / <i>Tactical Terminal</i>	Project (Number/Name) 674395 / <i>Radio</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Tactical Terminal</i>				
Tactical Terminal Modifications/Enhancements Trade Study	3	2026	4	2026
Tactical Terminal Modifications/Enhancements and Support	4	2026	4	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305179F I Integrated Broadcast Service (IBS)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	15.006	19.085	18.266	0.000	18.266	16.070	16.455	16.848	17.273	Continuing	Continuing
674779: Integrated Broadcast Service (IBS)	0.000	15.006	19.085	18.266	0.000	18.266	16.070	16.455	16.848	17.273	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Integrated Broadcast Service (IBS) Broadcast fulfills the warfighter's requirements for worldwide threat warning and situational awareness information with timely dissemination of Intelligence, Surveillance, and Reconnaissance (ISR) derived combat information. It also provides target tracking data to support threat avoidance, targeting, force protection, and situational awareness. This information is continually refined in near-real time by strategic, operational and tactical sensors. IBS Broadcast Baseline is comprised of the following:

- IBS Over-the-Air (OTA) includes a Common Interactive Broadcast (CIB) on UHF (Ultra High Frequency) satellite channel using a Common Message Format (CMF), a Military Standard (MIL-STD) common waveform, a Tactical Data Processor (TDP) to filter and display messages and data, and CMF analysis tools and an IBS-alternate path via mission partner provided satellite communications (SATCOM).

- IBS-Network Services (IBS-NS) includes two Global IBS Network Servers (GINS) and four Theater Interface Nodes (TINs) to support the geographic Combatant Commanders (CCDRs)

- Two GINS receive data from each theater and integrate this data into a worldwide picture available to all network/broadcast users.

- Four regional TINs allow local and out-of-theater users (not directly receiving IBS OTA broadcast) to still obtain access to the data disseminated over the IBS OTA broadcast. Additionally, the TIN will receive and inject data into the CIB for consumers without access to the theater CIB.

This PE funds the modernization of and/or enhancements to IBS OTA and IBS-NS to include performing development and testing to ensure integration with tactical terminals.

FY27 funding supports:

1. IBS OTA Modernization: Integration and fielding IBS over Mobile User Objective System (MUOS) Wideband Code Division Multiple Access (WCDMA)(IBS-M), Integration/testing/fielding common waveform architecture, Integration and fielding of IBS-Low Earth Orbit (IBS-L), and funding is sent to support Joint Tactical Terminal - Next Generation (JTT-NG) to incorporate new requirements. In response to operational threats or events, additional or higher priority Primary, Alternate, Contingency,

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305179F I Integrated Broadcast Service (IBS)				
and Emergency (PACE) communications paths (e.g., IBS MUOS UHF Legacy Extension (IBS-MX), L-Band Tactical Satellite (LTAC), High Frequency (HF) capability, Starshield, Line of Sight (LOS), etc.) may be developed.						
2. IBS OTA Baseline Enhancements: Provides Tactical receive segment (TRS), which is a Tactical Display Processor (TDP), software enhancements.						
3. IBS-NS Modernization: Replatforms the IBS-NS capability to a new operating system on modern servers and refactors software to enable Legacy IBS Network transition to a cloud architecture.						
4. Enterprise Services (ES): Provides Enterprise Systems Engineering, Integration, and Engineering expertise.						
5. Test and Evaluation: Performs test and evaluation activities of the IBS OTA and IBS-NS systems/sub-system components.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F						
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		16.006	19.085	0.000	0.000	0.000
Current President's Budget		15.006	19.085	18.266	0.000	18.266
Total Adjustments		-1.000	0.000	18.266	0.000	18.266
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-1.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	18.266	0.000	18.266

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305179F I Integrated Broadcast Service (IBS)		
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Integrated Broadcast Service (IBS) Over-the-Air (OTA) Modernization		3.370	12.100	8.799
Description: Develops/tests/supports Primary, Alternate, Contingency, and Emergency (PACE) broadcast communications pathways				
FY 2026 Plans: - Conducts integration and fielding IBS-M -- Efforts include MUOS engineering support, architecture development, obtaining Authority to Operate (ATO), establishment of monitoring and control capability, performing FVEY testing, and providing software upgrade for 24/7 continuous broadcast - Continues performing integration/test and fielding of common waveform architecture for IBS-L - Continues IBS-L Integration and Fielding - Develops a demonstration of Starshield capability and perform integration/fielding - Develops a demonstration of Line of Sight (LOS) capability and perform integration/fielding - Develops a demonstration of L-band Tactical Satellite (L-TAC) capability and performs integration/fielding - Continues IBS-M and IBS-MX Integration and Fielding - Sends funding to Joint Tactical Terminal - Next Generation (JTT-NG) to incorporate new requirements				
FY 2027 Plans: - Will continue conducting integration and fielding IBS-M -- Efforts include MUOS engineering support, architecture development, obtaining Authority to Operate (ATO), establishment of monitoring and control capability, performing FVEY testing, and providing software upgrade for 24/7 continuous broadcast - Will continue performing integration/test and fielding of common waveform architecture for IBS-L - Will continue IBS-L Integration and Fielding - Will continue IBS-M Integration and Fielding - In response to operational threats or events, additional or higher priority Primary, Alternate, Contingency, and Emergency (PACE) communications paths (e.g., IBS MUOS UHF Legacy Extension (IBS-MX), L-Band Tactical Satellite (LTAC), High Frequency (HF) capability, Starshield, Line of Sight (LOS), etc.) may be developed.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased \$3.301M in FY2027 due to: - Reduced development of IBS-MX, HF, Starshield, L-band Tactical Satellite (L-TAC) capabilities				
Title: IBS Over-the-Air (OTA) Baseline Enhancement		3.759	4.584	0.500

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305179F / <i>Integrated Broadcast Service (IBS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Develops/tests/supports enhancements to existing Baseline OTA capabilities FY 2026 Plans: - Continues enterprise TDP enhancement - Continues crypto upgrades for IBS-A and IBS-L FY 2027 Plans: - Continues enterprise TDP enhancement FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to development of Cryptographic device				
Title: IBS-Network Services (IBS-NS) Modernization Description: Develops/tests/supports modernization of IBS-NS enabling increased throughput, timeliness, and portability of critical intelligence data FY 2026 Plans: - Continues to replatform the IBS-NS capability to a new operating system on modern servers - Continues to refactor the IBS-NS software to enable Legacy IBS Network transition to cloud architecture FY 2027 Plans: - Will continue to replatform the IBS-NS capability to a new operating system on modern servers - Will continue to refactor the IBS-NS software to enable Legacy IBS Network transition to cloud architecture FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased for ramping up the transition to cloud architecture activities		3.252	1.356	4.700
Title: IBS Enterprise Support Description: IBS Enterprise Systems Engineering and Integration and engineering expertise FY 2026 Plans: N/A FY 2027 Plans: -Enterprise Systems Engineering and Integration and Engineering expertise FY 2026 to FY 2027 Increase/Decrease Statement:		3.643	0.000	2.762

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0305179F / <i>Integrated Broadcast Service (IBS)</i>						

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Funding increased to perform Enterprise Systems Engineering, Integration, and Engineering activities			
Title: Test & Evaluation Description: Test & Evaluation of the IBS System FY 2026 Plans: - Continues to perform Test and Evaluation activities of the IBS OTA and IBS-NS systems/sub-systems components FY 2027 Plans: - Will continue to perform test and evaluation activities of the IBS OTA and IBS NS systems/sub-systems components FY 2026 to FY 2027 Increase/Decrease Statement: Minor increase in FY 2027 due to increased IBS Test & Evaluation requirements to support IBS-NS modernization efforts.	0.982	1.045	1.505
Accomplishments/Planned Programs Subtotals	15.006	19.085	18.266

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 832070: <i>Intelligence Comm Equipment</i>	12.041	10.780	9.327	-	9.327	9.540	9.713	9.890	10.089	Continuing	Continuing
Remarks											
E. Acquisition Strategy IBS acquisition leverages a single existing sole source, single award, IDIQ contract, and Military Interdepartmental Purchase Request (MIPR) to Other Government Agencies (OGA) to modernize or enhance the IBS Broadcast.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305179F / Integrated Broadcast Service (IBS)				Project (Number/Name) 674779 / Integrated Broadcast Service (IBS)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IBS Over the Air (OTA) Modernization	Various	OGA/Various : Multiple	-	3.370	May 2025	11.850	Oct 2025	8.799	Oct 2026	-		8.799	Continuing	Continuing	-
IBS OTA Baseline Enhancements	Various	OGA/MEG/L3 : Multiple	-	3.759	Mar 2025	4.584	Apr 2026	0.500	Jul 2027	-		0.500	Continuing	Continuing	-
IBS-Network Services (IBS-NS) Modernization	SS/ Various	CACI/GTRI : Multiple	-	3.252	Dec 2024	1.356	Apr 2026	4.700	Oct 2026	-		4.700	Continuing	Continuing	-
Subtotal			-	10.381		17.790		13.999		-		13.999	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IBS Enterprise Support	SS/ Various	OGA/MEG/16th AF : Multiple	-	3.643	Jan 2025	0.000	Oct 2025	2.000	Jun 2027	-		2.000	Continuing	Continuing	-
Subtotal			-	3.643		0.000		2.000		-		2.000	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Interoperability and Development Testing	MIPR	JITC : Ft Huachuca, AZ	-	0.613	Oct 2024	0.644	Oct 2025	0.905	Oct 2026	-		0.905	Continuing	Continuing	-
Responsible Test Organization (RTO)	PO	45th Test Sqn : Eglin AFB, FL	-	0.369	Dec 2024	0.401	Dec 2025	0.600	Dec 2026	-		0.600	Continuing	Continuing	-
Subtotal			-	0.982		1.045		1.505		-		1.505	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305179F / Integrated Broadcast Service (IBS)						Project (Number/Name) 674779 / Integrated Broadcast Service (IBS)			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs (PSC)	Various	OGA : Multiple	-	0.000	Sep 2025	0.250	Apr 2026	0.762	Apr 2027	-		0.762	Continuing	Continuing	-
Subtotal			-	0.000		0.250		0.762		-		0.762	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.006		19.085		18.266		-		18.266	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0305179F / Integrated Broadcast Service (IBS)										Project (Number/Name) 674779 / Integrated Broadcast Service (IBS)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
IBS																												
Over the Air (OTA) Modernization																												
OTA Baseline Enhancements																												
IBS-Network Services (IBS-NS) Modernization																												
IBS Enterprise Support (2025)																												
IBS Enterprise Support																												
Test and Evaluation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305179F / Integrated Broadcast Service (IBS)	Project (Number/Name) 674779 / Integrated Broadcast Service (IBS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
IBS				
Over the Air (OTA) Modernization	1	2025	4	2031
OTA Baseline Enhancements	1	2025	1	2031
IBS-Network Services (IBS-NS) Modernization	1	2025	4	2031
IBS Enterprise Support (2025)	1	2025	4	2025
IBS Enterprise Support	1	2027	4	2031
Test and Evaluation	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305206F I Airborne Reconnaissance Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	115.637	65.432	34.273	0.000	34.273	54.523	70.699	65.740	56.629	Continuing	Continuing
672001: Next-Generation Sensors*	0.000	0.000	0.000	0.000	0.000	0.000	6.262	26.430	26.932	27.478	Continuing	Continuing
672002: Agile ISR	0.000	8.120	48.246	0.921	0.000	0.921	6.607	0.000	0.000	0.000	Continuing	Continuing
672003: Sensors Open System Architecture	0.000	5.854	6.048	1.770	0.000	1.770	0.000	0.000	0.000	0.000	Continuing	Continuing
674818: Rapid Targeting Support	0.000	71.742	0.000	0.000	0.000	0.000	4.400	3.697	5.659	5.776	Continuing	Continuing
674820: Sensor Development	0.000	20.274	0.000	20.000	0.000	20.000	25.000	28.000	20.344	10.310	0.000	123.928
675092: JTC/SIL MUSE	0.000	3.963	4.048	4.162	0.000	4.162	4.310	4.391	4.475	4.566	Continuing	Continuing
676025: Data Compression	0.000	5.684	7.090	7.420	0.000	7.420	7.944	8.181	8.330	8.499	Continuing	Continuing
*This project's R-2a exhibit has been suppressed due to funding not beginning until after FY 2027												
Note In FY 2028, PE 0305206F, Airborne Reconnaissance Systems, Project 672003, Sensors Open System Architecture (SOSA) requirements and efforts will be transferred to PE 0605056F, Open Architecture Management, Project 656060, Standard Management, in order to consolidate Open Architecture efforts. Furthermore, this aligns the funding management and oversight to the organization conducting the research and development for Air Force Open Architectures. Project 674818, Rapid Targeting Support, changed from Imaging and Targeting Support.												
A. Mission Description and Budget Item Justification The Airborne Reconnaissance System (ARS) Program develops and integrates next generation intelligence, surveillance, and reconnaissance (ISR) capabilities. ARS includes platform-agile sensor data processing, sensor products aiding Assisted Target Recognition (ATR) algorithms, other Artificial Intelligence (AI) activities [e.g. geolocation models, sensor-based exploitation tools, sensor networking capabilities], and implementation of sensor open architecture standards. The ARS Program includes the following efforts: Resolute Sentry [674818], Agile ISR (DRACO and AgilePod) [672002], SOSA [672003], Sensor Development [674820], JTC/SIL MUSE [675092], and Data Compression [676025]. The ARS PE funds airborne ISR sensor hardware, data processing, architecture standards, and simulation and training environments. It also transitions mid-tier Technology Readiness Level (TRL) technologies into programs of record (PoRs).												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305206F I Airborne Reconnaissance Systems	
The program supports multiple types of requirements to mature technologies aligning to the future force design, as well as integrating new capabilities onto existing platforms to fill capability gaps. The ARS program invests in modernization of airborne Geospatial (GEOINT) sensor capabilities. ARS develops, matures, demonstrates, and rapidly transitions next-generation, persistent, wide-area surveillance and common imagery reconnaissance sensor capabilities including sensor data processing and sensor products to aid in rapid targeting for multiple airborne platforms. The ARS PE is integral to developing multi-domain, multi-intelligence (multi-INT) research, development, test and evaluation (RDT&E) PoR efforts in support of the National Defense Strategy (NDS); 2023 DoD Data, Analytics, and Artificial Intelligence Adoption Strategy; and the 2024 US Air Force Intelligence, Surveillance & Reconnaissance Planning and Programming Guidance (IP2G). Specifically, ARS provides authorized and appropriated funding to multi-INT RDT&E efforts for utilization on airborne platforms. This program traditionally provides a multi-INT venue for integration of technologies matured in both the Advanced Technology & Sensors [0604257F] and Airborne SIGINT Enterprise [0304260F] programs. ARS is a platform-agile suite of sensor technologies defined for the best flexibility and capability for an ever-changing scale of ISR missions. Execution of the ARS activities is founded upon three pillars: Open Standards, AI/Machine Learning (ML) algorithms, and Advanced Platform-Agile Sensors. The power behind the ARS programs is an open architectural system design that enables rapid third-party software and line replicable unit insertion/replacement allowing for DevSecOps execution, onboard multi-modal and multi-INT processing real-time, sensor cross-cueing, and AI/ML application. The AI/ML algorithms will be used to enable assisted target detection and identification. In a FY 2026 Congressional add, Rapid Targeting Support [RTS] BPAC supports Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA),an Air Force-led technology and concept development effort to demonstrate an Uncrewed Aerial System (UAS) that is capable of multiple-day duration flights while maintaining affordability. Primary funding for this project transitioned from ARS to PE 0304784F - LE-AISR. In FY 2028 and beyond, the RTS BPAC will fund Resolute Sentry program. Resolute Sentry is not a new start, it is executing in PE 0604257F in FY 2026 and FY 2027 and will transition to ARS. Resolute Sentry is an AI-driven, multi-platform, sense-making tool for predictive analytics and orchestration at the tactical edge. It provides real-time, high-quality detection, identification and tracking to close kill chains and predict adversary activity. The program delivers a platform-agnostic, edge-hostable software solution to ingest and fuse multi-INT data across multiple platforms at the tactical edge. The data will then be used to generate actionable information on the highly contested environment for Blue Force commanders and national decision making. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305206F I Airborne Reconnaissance Systems			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	84.363	25.432	0.000	0.000	0.000
Current President's Budget	115.637	65.432	34.273	0.000	34.273
Total Adjustments	31.274	40.000	34.273	0.000	34.273
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	40.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	31.274	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	34.273	0.000	34.273
Congressional Add Details (\$ in Millions, and Includes General Reductions)					
Project: 672002: Agile ISR				FY 2025	FY 2026
Congressional Add: Enhancing high-altitude surveillance and communications capabilities				0.000	10.000
Congressional Add: Long Endurance Aircraft				0.000	15.000
Congressional Add: Stratospheric balloon system				0.000	15.000
Congressional Add Subtotals for Project: 672002				0.000	40.000
Congressional Add Totals for all Projects				0.000	40.000
Change Summary Explanation					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					
In FY 2025 \$35.274 million was reprogrammed from ARS procurement funding to ARS RDT&E funding to support the Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA) effort under project Rapid Targeting Support [674818].					
In FY 2025 \$4.000 million was reprogrammed from ARS to support higher Air Force priorities.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 672002 / Agile ISR			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672002: Agile ISR	0.000	8.120	48.246	0.921	0.000	0.921	6.607	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Agile ISR BPAC matures, develops, and deploys projects in support of current and future platform agnostic, non-proprietary, autonomous, multi-INT cross cueing ISR solutions based on DAF mission requirements in highly contested environments. This includes, but is not limited to, High Altitude Long Endurance (HALE) capability development, Detection Removal and Characterization Operations (DRACO), support and development of AgilePod, and other projects. Portions of the developmental efforts under Agile ISR are classified.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Agile ISR (DRACO)									6.020	6.131	0.621	
Description: Detection Removal and Characterization Operations (DRACO) is a robust Image Quality improvement capability for Airborne products. The software resides in multiple locations on the ground and future efforts will migrate algorithms to airborne platforms supporting the Air Force, Army, Navy and other customers. DRACO efforts include but are not limited to development, design, fabrication, integration, demonstration, test, and transition of image quality improvement capabilities. This project originated under the I&TS program. For the future DRACO development efforts (DRACO 8+) the focus will shift from supporting airborne architectures to products provided directly from the Intelligence Community to DoD ground stations. All other details are classified.												
FY 2026 Plans:												
- Continue to execute the DRACO 7 contract.												
- Continue to incorporate updates that address and mitigate emerging classified threats.												
- Deploy DRACO 5.10 and 5.11 updates.												
- Initiate DRACO 8 contract planning and accomplish necessary acquisition processes to award the effort such that there is no break in the maturation of the capability to ensure continuity in key manpower resource availability from the contractor.												
FY 2027 Plans:												
- Will continue executing the DRACO 8 contract.												
- Will continue to incorporate updates that address and mitigate emerging classified threats.												
- Will deploy DRACO 5.12 and 5.13 updates.												
FY 2026 to FY 2027 Increase/Decrease Statement:												
Funding decreased due to a database error. \$10.511M will be realigned from Sensor Development [674820] for a total of \$11.132M.												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 672002 / Agile ISR		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Once corrected, funding increased due to uncreased Air Force development in Counter-Long Range Kill Chain initiatives. Additional details available at a higher classification.				
Title: Agile ISR (AgilePod) Description: The AgilePod is a multi-configurable pod system designed to rapidly integrate advanced technologies for the Air Force and Intelligence Community. Aligned with Air Force future force design strategies, this risk-reducing solution enhances ISR and supports JADC2 by enabling rapid testing and deployment of next-generation technologies. Development is focused on maturing AgilePod variants to full production readiness with availability to Air Force and Navy. This directly supports critical initiatives like Beyond Line of Sight (BLOS) Kill Chain development, which aims to operationalize multi-domain targeting at scale. Additionally, AgilePod ties into ISR, Resilient Positioning, Navigation, and Timing (PNT) research to mitigate operational risks, and Expeditionary Operations concepts by enabling agile combat employment and reducing reliance on fixed infrastructure. FY 2026 Plans: - AgilePod26 Production: Complete Critical Design Review (CDR) and transition AgilePod26 towards Production Readiness Review (PRR) to achieve AFGSC required Initial Operational Capability (IOC) by FY 2027. - Continued Support: Maintain ongoing support for multi-service operational needs by actively participating in relevant demonstrations and exercises. - Customer Engagement: Engage with customers across the Department of Defense and joint services to understand and meet their evolving needs for AgilePod systems. FY 2027 Plans: - AgilePod 26 Production: Will complete Production Readiness Review (PRR) to achieve AFGSC required Initial Operational Capability by FY 2027. - Continued Support: Will maintain ongoing support for multi-service operational needs by actively participating in relevant demonstrations and exercises. - Customer Engagement: Will engage with customers across the Department of Defense and joint services to understand and meet their evolving needs for AgilePod systems. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to a database error. 5.159M will be realigned from Sensor Development [674820] for a total of 5.359M. Once corrected, funding increased due to increased Air Force development in Counter-Long Range Kill Chain initiatives. Additional details available at a higher classification		2.000	2.015	0.200
Title: Agile ISR (HALE)		0.100	0.100	0.100

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 672002 / Agile ISR	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
Description: High Altitude Long Endurance (HALE) assets provide risk-reduction and alternative sensing capability employment options. This effort will initiate the pre-acquisition activity to develop a Family of Sensors constellation to provide wide area target detection and tracking in highly contested environments. FY 2026 Plans: - Continue to conduct experimentation on High Altitude Balloon (HAB) systems and their application to Intelligence, Reconnaissance, and Surveillance. FY 2027 Plans: - Will support ongoing technology development and experimentation efforts. FY 2026 to FY 2027 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals		8.120	8.246
		FY 2025	FY 2026
Congressional Add: Enhancing high-altitude surveillance and communications capabilities		0.000	10.000
FY 2025 Accomplishments: N/A			
FY 2026 Plans: - Identify and incorporate HALE/HAB assets to meet persistent ISR shortages, and to begin the necessary acquisition planning & execution.			
Congressional Add: Long Endurance Aircraft		0.000	15.000
FY 2025 Accomplishments: N/A			
FY 2026 Plans: - Develop a capability to meet unmanned long range, long endurance intelligence, surveillance, and reconnaissance mission needs.			
Congressional Add: Stratospheric balloon system		0.000	15.000
FY 2025 Accomplishments: N/A			
FY 2026 Plans: - Provide an appropriate demand signal for High Altitude Balloons (HABs) to the defense industrial base in order to meet the ISR requirements of the combatant commanders.			
Congressional Adds Subtotals		0.000	40.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 672002 / Agile ISR
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy Capabilities will be developed and integrated onto various information systems and platforms using an agile software acquisition approach. The projects will be executed and contracted with appropriate vendor(s) to deliver capability while driving competition where possible.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity						R-1 Program Element (Number/Name)						Project (Number/Name)					
3600 / 7						PE 0305206F / Airborne Reconnaissance Systems						672002 / Agile ISR					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
DRACO	SS/CPFF	Lockheed Martin : King of Prussisa, PA	-	5.066	Dec 2024	5.131	Dec 2025	0.621	Dec 2026	-		0.621	Continuing	Continuing	-		
AgilePod	SS/CPFF	Jacobs/Leidos : Dayton, OH	-	1.990	Nov 2024	1.015	Nov 2025	0.150	Nov 2026	-		0.150	Continuing	Continuing	-		
HALE	TBD	Not Specified: TBD : TBD	-	0.100	Jan 2025	25.100	Apr 2026	-		-		-	Continuing	Continuing	-		
ULTRA	TBD	Not Specified: TBD : TBD	-	-		15.000	Aug 2026	-		-		-	Continuing	Continuing	-		
Subtotal			-	7.156		46.246		0.771		-		0.771	Continuing	Continuing	N/A		
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
PMA: Other Govt Cost	Various	Various: TBD : TBD	-	0.964	Nov 2024	2.000	Dec 2025	0.150	Dec 2027	-		0.150	Continuing	Continuing	-		
Subtotal			-	0.964		2.000		0.150		-		0.150	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	8.120		48.246		0.921		-		0.921	Continuing	Continuing	N/A		
Remarks																	

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems										Project (Number/Name) 672002 / Agile ISR									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Agile ISR																												
DRACO 7.0																												
DRACO 8.0																												
AgilePod*																												
HALE																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 672002 / Agile ISR

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Agile ISR				
DRACO 7.0	1	2025	3	2026
DRACO 8.0	3	2026	3	2030
AgilePod*	1	2025	4	2031
HALE	3	2025	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 672003 / Sensors Open System Architecture			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672003: Sensors Open System Architecture	0.000	5.854	6.048	1.770	0.000	1.770	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2028, PE 0305206F, Airborne Reconnaissance Systems, Project 672003, Sensors Open System Architecture will be transferred to PE 0605056F, Open Architecture Management, Project 656060, Standard Management, in order to consolidate Open Architecture efforts under a single PE. Furthermore, this aligns the funding management and oversight to the organization conducting the research and development for Air Force Open Architectures.

A. Mission Description and Budget Item Justification

The Sensors Open System Architecture (SOSA) project develops open (non-proprietary) hardware standards and associated software interfaces to support the development of embedded air/space/ground systems across a full spectrum of applications, including RADAR, Signals Intelligences(SIGINT), Electronic Warfare (EW), Communications, and Electro-Optical InfraRed (EO/IR). This project develops the standard required to rapidly field open systems.

This program will fund development of the SOSA Technical Standard, prototype/demonstrate solutions, integrate with other Modular Open Systems Architecture (MOSA) standards, conformance testing, verification, training, and the Open Architecture System Integration Laboratory to mature and verify the common hardware/software standards. Similar to the transition to commoditization of computer components (power supply, motherboard, central processing unit, storage, etc.) in the 1980s and 1990s, the SOSA standard enables weapon systems to leverage Commercial Off The Shelf (COTS) hardware for embedded mission computer needs. This saves the non-recurrent-engineering cost for each platform to develop a point-specific computer hardware solution for their application (e.g., ruggedized/flight-qualified computer). SOSA demonstrations are on-going and continuous in the FY, dependent on the systems being evaluated.

Funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Sensors Open System Architecture	5.854	6.048	1.770
Description: Description: The Sensors Open System Architecture (SOSA) project will execute activities to develop common hardware standards and associated software interfaces.			
FY 2026 Plans: - Continue to develop prototype of SOSA multi-INT (intelligence) capability.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / <i>Airborne Reconnaissance Systems</i>	Project (Number/Name) 672003 / <i>Sensors Open System Architecture</i>		
B. Accomplishments/Planned Programs (\$ in Millions) - Continue to develop common and open internal electrical/mechanical interfaces. - Continue to implement and execute hardware demonstrations. - Continue to support EO/IR, Comms and multi-INT article prototyping. - Continue to prepare and host open standard interoperability demonstrations. - Continue to support security development for SOSA secure solutions. - Continue to develop Small Form Factor hardware standards for sensors, communications and electronic warfare (UAS, HALE, High-Altitude Balloon, etc.) - Continue to explore SOSA other applications (e.g. munitions/WOSA (weapons open systems architecture)). - Continue to develop automated conformance tooling for SOSA hardware verification and validation. FY 2027 Plans: - Will prototype new SOSA hardware form factors such as Nano and Small Form Factor. - Will continue to develop SOSA Technical Standard to support hardware, security, and common interfaces. - Will continue to implement and execute hardware demonstrations with performance metrics. - Will develop automated conformance for SOSA Small Form Factor and Nano. - Will host interoperability events with SOSA hardware. - Will develop common model and tooling to support C2, munitions, and mission data exchanges. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to a database error. \$4.330M will be realigned from Sensor Development [674820] for a total of \$6.100M. Once corrected, funding increased due to inflation.		FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals		5.854	6.048	1.770
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy SOSA development is achieved through The Open Group Sensor Open System Architecture (SOSA) Consortium, which is a coalition of industry, DoD, and OGA partners which develop common hardware standards and associated software interfaces to support sensor requirements. The acquisition initiatives consist of prototyping activities, risk reduction activities, and demonstrations. There will continue to be various contracting strategies, including use of existing contracts to rapidly enhance the SOSA Technical Standard baseline and demonstrate interoperability of SOSA with other existing Modular Open System Architecture (MOSA) Standards.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 672003 / Sensors Open System Architecture					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SOSA Hardware Development	SS/CPFF	Various : Various	-	-		4.146	Dec 2025	1.110	Jan 2027	-		1.110	Continuing	Continuing	-
SOSA Conformance Tooling	SS/CPFF	Various : Various	-	-		1.346	Jan 2026	0.360	Jan 2027	-		0.360	Continuing	Continuing	-
SOSA Hardware Development (1)	SS/CPFF	Skayl : DC & Arizona, AZ	-	0.795	Dec 2024	-		-		-		-	Continuing	Continuing	-
SOSA Hardware Development (3)	SS/CPFF	CFD : Dayton, OH	-	1.218	Mar 2025	-		-		-		-	Continuing	Continuing	-
SOSA Hardware Development (4)	SS/CPFF	GTRI : Atlanta, GA	-	1.942	Jun 2025	-		-		-		-	Continuing	Continuing	-
SOSA Hardware Development (8)	SS/FFP	Leidos : Dayton, OH	-	1.371	Feb 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	5.326		5.492		1.470		-		1.470	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA)	Various	Not specified. : TBD	-	0.528	Jan 2025	0.556	Jan 2026	0.300	Jan 2027	-		0.300	Continuing	Continuing	-
Subtotal			-	0.528		0.556		0.300		-		0.300	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	5.854		6.048		1.770		-		1.770	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems					Project (Number/Name) 672003 / Sensors Open System Architecture			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Sensors Open System Architecture																												
Technical Standard Publications (Semi-Annual Deliveries)																												
SOSA Demonstration																												
SIL Activites																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 672003 / Sensors Open System Architecture	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Sensors Open System Architecture</i>				
Technical Standard Publications (Semi-Annual Deliveries)	1	2025	4	2027
SOSA Demonstration	1	2025	4	2027
SIL Activites	1	2025	4	2027

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 674818 / Rapid Targeting Support			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674818: Rapid Targeting Support	0.000	71.742	0.000	0.000	0.000	0.000	4.400	3.697	5.659	5.776	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project 674818, Rapid Targeting Support, changed from Imaging and Targeting Support.

A. Mission Description and Budget Item Justification

The purpose of the Rapid Targeting Support (RTS) is to develop, mature, demonstrate, and rapidly transition next-generation, persistent, wide area surveillance and common imagery reconnaissance sensor capabilities (active and passive systems), including sensor data processing for multiple airborne platforms, as well as sensor products to aid in rapid targeting (geolocation models, sensor-based exploitation tools, sensor networking capabilities, predictive analytics, artificial intelligence).

In FY 2025, this PE supported the ULTRA effort's flight demonstration. In FY 2023 and prior years, ULTRA was executed under PE 0604555D8Z, Operational Energy Prototyping, under Section 219 authorities. In FY 2024, ULTRA was executed under PE 0305205F, Endurance Unmanned Aerial Vehicles. In FY26, the ULTRA effort transitioned to PE 0304784F, Long Endurance Airborne ISR.

In FY 2026 and FY 2027, RTS has no requirements.

In FY 2028 and beyond, RTS project will fund Resolute Sentry effort transitioning from PE 0604257F, Advanced Technology and Sensors. FY 2028 and out years expectation is for Air Force to right size budget submissions. Resolute Sentry is an AI-driven, multi-platform, sense-making tool for predictive analytics and orchestration at the tactical edge. It provides real-time, high-quality detection, identification and tracking to close kill chains and predict adversary activity. The program delivers a platform-agnostic, edge-hostable software solution to ingest and fuse multi-INT data across multiple platforms at the tactical edge. The data will then be used to generate actionable information on the highly contested environment for Blue Force commanders and national decision making.

Activities also include studies and analysis to support both current program planning and execution and future program planning.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Uncrewed Long-endurance Tactical Reconnaissance Aircraft (ULTRA) Flight Demonstration	71.742	0.000	0.000
Description: This effort conducts integration and preparation work required to prepare the ULTRA platform for flight demonstration in operationally relevant environments in response to an urgent operational need. It leverages technologies and expertise from across all of the Air Force Research Laboratories, integrating and testing a variety of technologies.			
FY 2026 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 674818 / Rapid Targeting Support	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
N/A			
FY 2027 Plans: N/A			
FY 2026 to FY 2027 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals		71.742	0.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The acquisition strategy is to maximize commercial and national development efforts and investment through multiple contracting methods, including the use of engineering change proposals to modify existing contracts and new contracts that were awarded both competitively and on a sole source basis.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems					Project (Number/Name) 674818 / Rapid Targeting Support				

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ULTRA Flight Demonstration	SS/CPFF	Air Force Research Labs : WPAFB, OH	-	66.716	Oct 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	66.716		-		-		-		-	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA: Other Govt Cost	SS/T&M	Various : Dayton, OH	-	5.026	May 2025	-		-		-		-	0.000	5.026	-
Subtotal			-	5.026		-		-		-		-	0.000	5.026	N/A

			Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	71.742	-	-	-	-	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems						Project (Number/Name) 674818 / Rapid Targeting Support			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ULTRA Flight Test																												
Commercial-off-the-shelf (COTS) 916 Turbo Engine/Electronic Control Unit Integration																												
Payload Integration																												
Aircraft & Sensor Procurement (no fielding)																												
Aircrew Training Development																												
Operational Test and Evaluation prep activities																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 674818 / Rapid Targeting Support	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ULTRA Flight Test				
Commercial-off-the-shelf (COTS) 916 Turbo Engine/Electronic Control Unit Integration	1	2025	3	2025
Payload Integration	1	2025	2	2026
Aircraft & Sensor Procurement (no fielding)	3	2025	3	2026
Aircrew Training Development	4	2025	4	2026
Operational Test and Evaluation prep activities	3	2025	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 674820 / Sensor Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674820: Sensor Development	0.000	20.274	0.000	20.000	0.000	20.000	25.000	28.000	20.344	10.310	0.000	123.928
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
In FY 2025, Project 674820, Sensor Development was completed.												
In FY 2027, a database error misplaced \$20.000M in the Sensor Development. Funding will be used to support intended efforts as outlined below.												
A. Mission Description and Budget Item Justification												
The Sensors Development project used non-recurring engineering activities to support the fabrication, integration, and testing of the Advanced Synthetic Aperture Radar system (ASARS) 2C processing system to vastly improve the Air Force's long range, high altitude ISR radar imagery, detection, and tracking capabilities.												
The Sensors Development project conducted design, development, testing, and fielding efforts. The efforts increased the range, collection capability, interoperability, and processing of the Advanced Synthetic Aperture Radar Systems. The Sensors Development efforts advanced the capability of ASARS for U-2 and classified platform employment. ASARS-2B [front-end] & ASARS-2C [back-end] efforts provided critical advancements and risk reduction in SAR/Moving Target Indication capability to be implemented in the future multi-INT, platform agile capability that Next Generation Sensors will provide.												
The ASARS effort was a fifth generation, deep-look, high-altitude, ISR radar that was to be the foundation for the radar component of the Next Generation Sensors [NGS] family of systems as outlined in the AFROC approved ASARS-2C draft Capabilities Development Document [CDD]. ASARS-2B [front-end] was the antenna and receiver exciter replacement. The ASARS-2C [back end] data processing efforts extended the ASARS-2B [front-end] radar capability using open architecture data processing and multiplatform integration. Open architecture improves performance and lowers cost by facilitating and enabling qualified third-party software vendors to incorporate future multi-ISR capability to advance interoperability across joint operations. ASARS was meant to increase current capability and addresses National Defense Strategy Key Operational Problems.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: ASARS-@b Tech Demo (front-end)									20.274	0.000	0.000	
Description: Develop, design, fabricate, integrate, test and field deep look high altitude ISR radar capabilities.												
FY 2026 Plans: N/A												
FY 2027 Plans:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 674820 / Sensor Development		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
FY 2026 to FY 2027 Increase/Decrease Statement: N/A				
Title: Agile ISR (DRACO) Description: Reference DRACO effort, project 672002 (Agile ISR). FY 2026 Plans: N/A FY 2027 Plans: Reference DRACO effort, project 672002 (Agile ISR). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to database error. Reference DRACO effort, project 672002 (Agile ISR). Once corrected, N/A.		0.000	0.000	10.511
Title: Agile ISR (AgilePod) Description: Reference Agile Pod effort, project 672002 (Agile ISR). FY 2026 Plans: N/A FY 2027 Plans: Reference Agile Pod effort, project 672002 (Agile ISR). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to a database error. Reference Agile Pod effort, project 672002 (Agile ISR). Once corrected, N/A.		0.000	0.000	5.159
Title: Sensors Open System Architecture Description: Reference project 672003 (Sensors Open System Architecture). FY 2026 Plans:		0.000	0.000	4.330

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / <i>Airborne Reconnaissance Systems</i>	Project (Number/Name) 674820 / <i>Sensor Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
N/A			
FY 2027 Plans: Reference project 672003 (Sensors Open System Architecture).			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to a database error. Reference project 672003 (Sensors Open System Architecture).			
Once corrected, N/A.			
Accomplishments/Planned Programs Subtotals		20.274	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
ASARS / High Altitude SAR technology maturation is conducted by Air Force Life Cycle Management Center/Intelligence, Surveillance, and Reconnaissance and Special Operations Forces [AFLCMC/WIN], in conjunction and cooperation with AFLCMC/WIA [Robins AFB] for test support.			
The acquisition strategy is to maximize commercial and national development efforts and investment through multiple contracting methods, including but not limited to the use of engineering change proposals to modify existing contracts and new contracts that were awarded both competitively or on a sole source basis.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 674820 / Sensor Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ASARS-2B (front-end)	SS/CPIF	Raytheon : El Segundo, CA	-	-		-		-		-		-	Continuing	Continuing	-
ASARS-2C (back-end)	SS/CPFF	Raytheon : El Segundo, CA	-	14.423	Oct 2024	-		-		-		-	Continuing	Continuing	-
Funds aligned to DRACO, Agile ISR [672002]	SS/CPFF	Lockheed Martin : King of Prussia, PA	-	-		-		5.620	Dec 2026	-		5.620	Continuing	Continuing	-
Funds aligned to Agile Pod, Agile ISR [672002]	SS/CPFF	Jacobs/Leidos : Dayton, OH	-	-		-		5.159	Nov 2026	-		5.159	Continuing	Continuing	-
Funds aligned to SOSA [672003]	SS/CPFF	Various : Various	-	-		-		4.330	Jan 2027	-		4.330	Continuing	Continuing	-
Funds aligned to ATS [0604257F] NGS-RR [672001]	Various	Various: TBD : TBD	-	-		-		4.891	Nov 2026	-		4.891	Continuing	Continuing	-
Subtotal			-	14.423		-		20.000		-		20.000	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Not specified. : TBD	-	5.851	Jan 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	5.851		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	20.274		-		20.000		-		20.000	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems						Project (Number/Name) 674820 / Sensor Development			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ASARS-2B																												
ASARS-2B EMD																												
ASARS-2C																												
ASARS-2C																												
-- Tech Maturation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 674820 / Sensor Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ASARS-2B				
ASARS-2B EMD	1	2025	2	2026
ASARS-2C				
ASARS-2C	1	2025	4	2025
-- Tech Maturation	1	2025	4	2025

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 675092 / JTC/SIL MUSE			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675092: JTC/SIL MUSE	0.000	3.963	4.048	4.162	0.000	4.162	4.310	4.391	4.475	4.566	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Joint Technology Center/Systems Integration Laboratory (JTC/SIL) project includes funding for JTC/SIL and Multiple Unified Simulation Environment (MUSE)/Air Force Synthetic Environment for Reconnaissance and Surveillance (AFSERS).												
JTC/SIL is the training center of excellence supporting Unmanned Aerial Systems (UAS) programs for the Services. JTC/SIL provides the system engineering, test and integration, interoperability, rapid technology insertion to address MUSE/AFSERS training requirements. The JTC/SIL combines the UAS knowledge of communications standards (such as STANAGs 4586, 4607, 4545 and 4609), Hardware in the Loop (HIL) testing, and sensor and aircraft simulation to integrate MUSE/AFSERS with other Department Modeling and Simulation (M&S) architectures. For those airborne assets normally not available for training, the JTC/SIL provides surrogate systems and interfaces. The JTC/SIL contributes to the distributed training environments, virtually linking participants from various locations worldwide, and routinely support within the MUSE architecture. The JTC/SIL continues to develop leading edge technologies supporting the rapidly evolving UAS training requirements required to support the National Defense Strategy future fighting force.												
MUSE is the Department's flight simulation/training system of choice for many UAS and manned airborne platforms. MUSE is also known as AFSERS in its Air Force training application. MUSE/AFSERS is a software suite that simulates UAS (e.g., MQ-9, RQ-4) and manned airborne ISR systems, tailored air vehicle & data links, and visualization systems used for payload product outputs-including Full Motion Video (FMV), Fixed Frame Imagery (FFI), Ground Moving Target Indicator (GMTI) data, and Link 16 (J2.2 and J3.5) track messages. Outputs are compliant with applicable Department standards and are continually tested against actual ground data processors to ensure systems interoperability.												
The services and combatant commands have a requirement for training with a system that provides a real-time simulation environment containing multi-domain systems that can be integrated with larger force-on-force simulations. MUSE/AFSERS creates a realistic operational environment supporting military utility assessment, architecture, Concept of Employment (CONEMP) development, Tactics, Techniques and Procedures (TTP) refinement, and simulated Processing, Exploitation and Dissemination (PED) of multi-domain information. MUSE/AFSERS also enables emerging concept experimentation and Command, Control, Communications, and Computing (C4) optimization with warfighting exercises and experiments. MUSE/AFSERS is the preferred UAS simulation system used by US combatant commanders and joint services to support command and battle staff C4 training.												
MUSE/AFSERS creates a realistic operational environment that supports an embedded training capability for new UAS Program Managers with tools to minimize acquisition and life cycle cost and schedule impacts.												
MUSE/AFSERS is currently used by all services and most unified commands simulating MQ-1, MQ-9, RQ-4, M/RQ-5, RQ-7, national and commercial satellite systems, P-3, and U-2 during warfighting exercises. AFSERS provides National Imagery Transmission Format (NITF) information for simulated data collection systems,												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 675092 / JTC/SIL MUSE		
supporting PED training. MUSE is also used as a mission rehearsal tool for current, on-going military combat operations. Most of the MUSE/AFSERS software suite components are also used in multiple airborne platform system training devices, including the MQ-9 [Medium Altitude Long Endurance Tactical (MALET) JSIL Aircrew Trainer (MJAT)] and RQ-4 [Global Hawk Sensor Operator Part Task Trainer (GHSOPTT)].				
MUSE project funds may be utilized to cover the GCWG Secretariat, studies and analysis activities, supporting current program planning, execution, and future program planning.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: JTC/SIL		3.963	4.048	4.162
Description: The Department's simulation/training system of choice for Intelligence Surveillance and Reconnaissance (ISR) systems, sensors, and platforms. Includes AFSERS, Common Ground Station Interface, and infrastructure support.				
FY 2026 Plans:				
- Develop and update sensor models for new MUSE/AFSERS versions to reflect evolving UAS and ISR improvements that support theater level exercises such as Ulchi Freedom Shield (Korean Theater exercises), Yama Sakura, Keen Edge, Balikatan, Pacific Sentry, Austere Challenge, and associated events.				
- Respond rapidly to Cyber Security threats as they are identified.				
- Implement Modular Open System Architecture (MOSA) to optimize software architecture and modularization to facilitate extensibility and scalability.				
- Develop modeling Sensor Open System Architecture (SOSA) by developing sensors that can be added to any aircraft.				
- Integrate a high-fidelity Synthetic Aperture Radar (SAR) model into MUSE/AFSERS for more realistic SAR imagery based upon material encoded terrain for US only exercises.				
- Fully integrate a new Government Off The Shelf (GOTS) image generator to provide synthetic realistic video and imagery in the EO and IR spectrums retiring legacy platforms (VRSG, NVIG)				
- Conduct integration testing with designated federations to ensure joint interoperability with services.				
- Expand ISR capabilities to support Information Warfare Training Objectives.				
- DMON Integration: Support CAFDMO SPRs for AFSERS; Integration/Testing at Distributed Training Centers.				
- Enhance Electronic Warfare (EW) jamming by MUSE/AFSERS upon other aircraft simulations based on MJAT.				
- Improve GPS jamming effects in MUSE/AFSERS based on MJAT.				
- Develop air launched UAS aircraft to support current real world development efforts.				
- Build new ISR platform simulations with multi-sensor capability (full motion video, GMTI, SAR).				
- Develop and integrate weather effects upon MUSE/AFSERS flight characteristics and sensors.				
- Develop physics-based IR 3D models, targets, and terrain through the use of material encoding.				
- Assess/evaluate emerging technologies such as Direct Energy Weapons				
- Develop and incorporate Direct Energy Weapons.				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305206F / <i>Airborne Reconnaissance Systems</i>		Project (Number/Name) 675092 / <i>JTC/SIL MUSE</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Assess/evaluate Counter UAS Capability. - Research, develop and integrate swarm, kinetic (Kamikaze) UAVs, and attributable UAS capabilities. - Develop and fully integrate Cloud Based Capability on SIPRNET and NIPRNET leveraging SBIR Phase III. - Integrate a high-fidelity SAR model into MUSE/AFSERS for more realistic SAR imagery based upon material encoded terrain for US participation with coalition. - Integrate with Army's Next Generation Constructive Environment. FY 2027 Plans: - Will continue to develop and update sensor models for new MUSE/AFSERS versions to reflect evolving UAS and ISR improvements to support theater level exercises such as Ulchi Freedom Shield (Korean Theater exercises), Yama Sakura, Keen Edge, Balikatan, Pacific Sentry, Austere Challenge, and associated events. - Will continue to respond rapidly to Cyber Security threats as they are identified. - Will continue to implement MOSA to optimize software architecture and modularization to facilitate extensibility and scalability. - Will continue to develop modeling SOSA by developing sensors that can be added to any aircraft. - Will continue to integrate a high-fidelity SAR model into MUSE/AFSERS for more realistic SAR imagery based upon material encoded terrain for US only exercises. Develop a SAR sensor releasable to coalition force. - Will continue to fully integrate a new GOTS image generator (Rocket IG) to provide synthetic realistic video and imagery in the EO, IR, and fused spectrums retiring legacy platforms (VRSG, NVIG). - Will continue integration with Army's Next Generation Constructive (NGC) Environment. - Will continue to conduct integration testing with designated federations to ensure joint interoperability with services (ASCCE, JLVC, NGC). - Will continue to expand ISR capabilities to support Information Warfare Training Objectives. - Will continue DMON Integration: Support CAFDMO (Adhere to Standards) SPRs for AFSERS; Integration/Testing at Distributed Training Centers. - Will continue to enhance Electronic Warfare (EW) jamming by MUSE/AFSERS upon other aircraft simulations based on MJAT. - Will continue to improve GPS jamming effects in MUSE/AFSERS based on MJAT for 505CTS and PACAF. - Will continue to research and explore capabilities for Golden Dome requirements - Will develop air launched UAS aircraft to support current real world development efforts. - Will continue to build new ISR platform simulations with multi-sensor capability (full motion video, GMTI, SAR). - Will continue to develop and integrate weather effects upon MUSE/AFSERS flight characteristics and sensors. - Will continue to develop physics-based IR 3D models, targets, and terrain through the use of material encoding. - Will continue to assess/evaluate emerging technologies such as Direct Energy Weapons. - Will develop and incorporate Direct Energy Weapons. - Will assess/evaluate Counter UAS Capability.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 675092 / JTC/SIL MUSE	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Will research, develop and integrate swarm, kinetic (Kamikaze) UAVs, and attributable UAS capabilities. - Will develop and fully integrate Cloud Based Capability on SIPRNET and NIPRNET leveraging SBIR Phase III - Will research, develop and integrate sUAS capabilities such Quadcopter and drones. - Will provide ISR Support to SOF Community (AFSOC/SOCOM) - Will fully deploy Non-Traditional Kinetic Strike Capabilities into Joint ISR Environment - Will conduct integration testing with designated federations to ensure joint interoperability with services (ASCCE, JLVC, NGC).			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to inflation.			
Accomplishments/Planned Programs Subtotals		3.963	4.048
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
This is an enterprise services effort, jointly funded and centrally managed by the US Army. JTC/SIL falls under US Army Futures Command. US Army PE 0305204A funding ended after FY 2021. Additional continual Army funding expected from PEO STRI, JSJ7, exercise events, and other external DoD users. AFLCMC/WIN MIPRs funds in support of Unmanned Aircraft Systems modeling and simulation efforts.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems						Project (Number/Name) 675092 / JTC/SIL MUSE			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFSERS Development	MIPR	Redstone Arsenal : Huntsville, AL	-	3.727	Dec 2024	3.805	Dec 2025	3.925	Dec 2026	-		3.925	Continuing	Continuing	-
Subtotal			-	3.727		3.805		3.925		-		3.925	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	C/Various	Not specified. : TBD	-	0.236	May 2025	0.243	May 2026	0.237	May 2027	-		0.237	Continuing	Continuing	-
Subtotal			-	0.236		0.243		0.237		-		0.237	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.963		4.048		4.162		-		4.162	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems		Project (Number/Name) 675092 / JTC/SIL MUSE	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JTC/SIL MUSE																												
AFSERS Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 675092 / JTC/SIL MUSE

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JTC/SIL MUSE				
AFSERS Development	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 676025 / Data Compression			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676025: Data Compression	0.000	5.684	7.090	7.420	0.000	7.420	7.944	8.181	8.330	8.499	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Data Compression project develops, tests, and implements sensor data compression and decompression solutions and standards for current and emerging space and airborne Intelligence, Surveillance, and Reconnaissance (ISR) sensor modalities crewed and uncrewed airborne platforms, associated ground stations, and AF Distributed Common Ground System (DCGS).

The primary product of the Data Compression project is the Reduction of Data Using Compression Enhancement (RDUCE) application that provides efficient and integrated compression of ISR sensor data. RDUCE develops, tests, and integrates new sensor data compression software and hardware for current and emerging space-based and airborne ISR sensors and data formats. RDUCE develops compression capabilities for manned and unmanned platforms, associated ground stations, and the AF DCGS. RDUCE data products meet standard certification for use within the Department and Intelligence Community (IC) Geospatial Intelligence (GEOINT), Signals Intelligence (SIGINT), and Measurement and Signatures Intelligence (MASINT) collection disciplines. RDUCE compression accelerates kill-chain and maximizes the use of limited bandwidth thereby delivering more data, faster to the tactical user in the field.

RDUCE activities include continuous studies, analysis, and updates to support program planning and execution. RDUCE also seeks to acquire certification of its data compression solutions which includes acceptance into the Department Information Technology Standards Registry (DISR). By ensuring compliance with appropriate standards governing bodies, RDUCE is always ready to satisfy new operational requirements.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: RDUCE	5.684	7.090	7.420
Description: The Data Compression effort provides the warfighter capabilities to efficiently compress ISR data and to enable dissemination in near-real time to tactical, operational, and strategic users through bandwidth-limited dissemination systems, overcoming limited data storage space, and accelerating data transmission. The program focuses on current and emerging ISR sensors, including incorporation into open architectures like Common Open Architecture Radar Programs (COARPs), Future Airborne Capability Environment (FACE), and Sensor Open System Architecture (SOSA). The software solutions can be leveraged for any platform. For example, the Hyperspectral Imaging (HSI) algorithm was selected by NASA to be included in an experimental system on the International Space Station (ISS). Outputs will meet standards certification for use within the Department's Geospatial, Measurement and Signature, and Signals Intelligence collection disciplines. The Hyperspectral Imaging (HSI) software, for example, was selected by NASA and is operational on the EMIT and ECOSTRESS missions on the ISS. Furthermore, the Synthetic Aperture Radar (SAR) compression solution enables the dissemination of imagery from the Navy P-8 aircraft to national libraries, service partners (i.e. US Air Force), mission analysts, and decision makers.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 676025 / Data Compression	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
FY 2026 Plans: - Provide continued updates and integration support for the mature TRL modalities and standards: SAR, HSI, SAR Phase History, RF, Compression as a Service (CaaS). - Continue to identify platform/sensor partners for initial test/integration across all sensor modes. - Continue to update compression solutions to address any issues or previously uncaptured use cases to ensure they are operationally relevant. - Continue to develop SAR Phased History Compensated Receive Signal Data (CRSD) compression prototype. - Continue to develop software integration on next generation field-programmable gate array technology, thereby optimizing space-based capabilities. Details are classified. FY 2027 Plans: - Will provide continued updates and integration support for the mature TRL modalities and standards: SAR, HSI, SAR Phase History, RF, Compression as a Service (CaaS). - Will continue to identify platform/sensor partners for initial test/integration across all sensor modes. - Will continue to update compression solutions to address any issues or previously uncaptured use cases to ensure they are operationally relevant. - Will continue to develop SAR Phased History Compensated Receive Signal Data (CRSD) compression prototype. - Will continue to develop software integration on next generation field-programmable gate array technology, thereby optimizing space-based capabilities. Details are classified. - Will stand up data compression test and evaluation team FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to standup of data compression test & evaluation team.			
Accomplishments/Planned Programs Subtotals		5.684	7.090
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Data Compression project is conducted by Air Force Life Cycle Management Center/ Intelligence, Surveillance, and Reconnaissance and Special Operations Forces (AFLCMC/PEO ISR SOF). Acquisition strategy is to develop data compression hardware/software, and data compression standards for various ISR applications to include airborne, space, ground stations, data storage facilities, and exploitation tools. RDUCE will utilize existing contracts with full and open competition where appropriate. Integration will be accomplished by the requisite program offices.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 676025 / Data Compression					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LIDAR	C/CPAF	ADDA Lab : TBD	-	0.250	Dec 2024	-		-		-		-	Continuing	Continuing	-
Compression Solution Development	Various	Various : Various	-	0.450	Dec 2024	2.086	Dec 2025	1.619	Dec 2026	-		1.619	Continuing	Continuing	-
Subtotal			-	0.700		2.086		1.619		-		1.619	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Standardization Development	C/CPAF	Various : Various	-	0.320	Dec 2024	0.327	Dec 2025	0.835	Dec 2026	-		0.835	0.000	1.482	-
Standardization Development (FLEX)	C/CPAF	Various : Various	-	0.300	Dec 2024	0.300	Dec 2025	0.300	Dec 2026	-		0.300	Continuing	Continuing	-
Standardization Development (SARzip)	C/CPAF	Various : Various	-	0.250	Dec 2024	0.277	Dec 2025	0.285	Dec 2026	-		0.285	Continuing	Continuing	-
Standardization Development (zPHD)	C/CPAF	Various : Various	-	0.250	Dec 2024	0.277	Dec 2025	0.285	Dec 2026	-		0.285	Continuing	Continuing	-
Standardization Development (SIGzip)	C/CPAF	Various : Various	-	0.250	Dec 2024	0.277	Dec 2025	0.285	Dec 2026	-		0.285	Continuing	Continuing	-
Platform One and Cloud Works	C/CPAF	Not specified. : TBD	-	-		-		0.140	Dec 2026	-		0.140	Continuing	Continuing	-
Subtotal			-	1.370		1.458		2.130		-		2.130	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ADDA Lab	C/CPAF	Various : Various	-	0.950	Dec 2024	0.823	Dec 2025	1.000	Dec 2026	-		1.000	Continuing	Continuing	-
Integration Activities	C/CPAF	Various : Various	-	0.950	Dec 2024	1.050	Dec 2025	1.171	Dec 2026	-		1.171	Continuing	Continuing	-
Platform One and Cloud Works	C/CPAF	Not specified. : TBD	-	0.225	Dec 2024	0.130	Dec 2025	-		-		-	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems				Project (Number/Name) 676025 / Data Compression					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	2.125		2.003		2.171		-		2.171	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA: Other Govt Cost	Various	Not specified. : TBD	-	1.489	Dec 2024	1.543	Dec 2025	1.500	Dec 2027	-		1.500	Continuing	Continuing	-
Subtotal			-	1.489		1.543		1.500		-		1.500	Continuing	Continuing	N/A
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	5.684	7.090		7.420		-		7.420	Continuing	Continuing	N/A	
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems		Project (Number/Name) 676025 / Data Compression	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
RDUCE																												
Compression as a Service																												
Compression Solution Development (LIDAR)																												
Compression Solution Development (SAR)																												
ADDA Lab																												
Standardization Development																												
Standardization Development (SARzip)																												
Standardization Development (FLEX)																												
Standardization Development (zPHD)																												
Standardization Development (SIGzip)																												
Standardization Development (CaaS)																												
Space-based FPGA Development																												
Data Test and Evaluation Team																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305206F / Airborne Reconnaissance Systems	Project (Number/Name) 676025 / Data Compression	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
RDUCE				
Compression as a Service	1	2025	4	2025
Compression Solution Development (LIDAR)	3	2025	4	2026
Compression Solution Development (SAR)	1	2025	4	2028
ADDA Lab	1	2025	4	2031
Standardization Development	1	2025	4	2031
Standardization Development (SARzip)	1	2025	4	2031
Standardization Development (FLEX)	1	2025	4	2031
Standardization Development (zPHD)	1	2025	4	2031
Standardization Development (SIGzip)	1	2025	4	2031
Standardization Development (CaaS)	1	2026	4	2031
Space-based FPGA Development	1	2025	4	2027
Data Test and Evaluation Team	2	2027	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305207F I Manned Reconnaissance Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	18.323	28.733	17.114	0.000	17.114	17.729	18.064	18.409	18.782	0.000	137.154
674754: RC-135 Systems	0.000	18.323	28.733	17.114	0.000	17.114	17.729	18.064	18.409	18.782	0.000	137.154
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

RC-135 operational systems development and enhancement activities support design studies, engineering analysis, non-recurring engineering and other efforts associated with the integration and modification of the RC-135 programs and their specialized mission systems, both air and ground. Associated ground systems include RIVET JOINT Ground Data Processing Systems (GDPS), Distributed Mission Shelters (DMS), Mission Crew Training Systems (MCTS), Airborne Capabilities Extension System (ACES), and the Operational Flight Trainers (OFT, a.k.a. flight deck simulators). RC-135 funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Extensive utilization of Commercial-Off-The-Shelf (COTS) based solutions allows rapid fielding of needed capabilities through upgrades and supports Diminishing Manufacturing Sources (DMS)/Vanishing Vendor Items (VVI) logistics mitigation efforts. The results of these efforts provide for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations for integration into the various systems baseline configurations.

These activities are managed by the 645th Aeronautical Systems Group (645 AESG). The 645 AESG (a.k.a. BIG SAFARI) manages engineering, ground and support systems modifications, integration, flight testing, product assurance, acceptance testing, logistics, and training activities.

Aircraft, sensor systems, and associated ground support system engineering planned for FY 2027 budget includes developmental planning, execution and support for the RC-135V/W RIVET JOINT Baselines 13, 14, and 15 (BL-13, BL-14, and BL-15), the RC-135U COMBAT SENT Baselines 6 and 15 (BL-6 and BL-15), and the RC-135S COBRA BALL BL-7, BL-14, and BL-15 configurations. COMBAT SENT has renumbered their baselines going forward to align with RIVET JOINT baseline numbering to take advantage of the baseline commonalities for technical manuals, training systems, contracting, and security certifications. The world-wide challenge of keeping pace against technologically agile targets used by both nation and non- nation- state adversaries and the rapid evolution of COTS technologies demands a responsive and adaptive acquisition strategy for fielding incremental spiral upgrades and baseline capabilities that are logistically supportable at all locations. The 645 AESG uses an incremental baseline strategy to mitigate risk, find affordable solutions and field needed capabilities on the aircraft and associated ground support and training systems. Obsolescence and DMS/VVI logistical concerns are addressed with each baseline upgrade and assessed annually as part of the fleet sustainment responsibilities.

RIVET JOINT BL-14 upgrades consist of, but are not limited to, StarShield Beyond Line of Sight (BLoS) system, providing a continuous recording capability, High Probability of Intercept (HPOI) Receiver, Corvus Digital Receiver (CDR), Communications, Navigation, and Surveillance - Air Traffic Management (CNS-ATM) avionics upgrades such as new autopilot, automated data system- broadcast (ADS-B) and Mode 5 identify friendly or foe (IFF) systems. RIVET JOINT BL-15 upgrades consist

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305207F I Manned Reconnaissance Systems	
of, but are not limited to, scalable processor improvements, Wideband Agile Receiver and Pulse Detector (WARPD), Expanded Steered Beam capability, augmented Remote Maintenance, and a high-sensitivity receiver upgrade for Low Probability of Intercept (LPI) targets.		
COMBAT SENT BL-6 and initial BL-15 developmental enhancements consist of, but are not limited to, steerable beams for the COMINT sub-system, search-thru-jammer improvements, improved High Probability of Intercept (HPOI) capability and specific emitter identification (SEI) electronic intelligence (ELINT) sub- system, Primary Sensor Measurement System (PRISMS) merge with manual precision collections, millimeter wave and low band capabilities with PRISMS, digitizing antennas, direction finding of High Frequency signals and expanded streaming audio services and 360 degree aircraft tracking system.		
COBRA BALL BL-14 developmental enhancements consist of, but are not limited to, software updates to the MASINT collection system (MCS), high-gain steerable-beam K-band antenna array, high-band direction finding (DF) antenna, High Probability of Intercept (HPOI), enhanced Signals of Interest identification and classification, digitized collection antenna (Cerberus), enhanced time accuracy, coherent CFCS collections, integration of specific Quick Reaction Capabilities (QRC), migration of the common RIVET JOINT hardware and software. COBRA BALL BL-15 developmental enhancements consist of MCS algorithm updates for machine learning, MapLarge integration, and a High-band direction finding (DF) spinner.		
Ground Systems Baseline upgrades add the capabilities found in the corresponding RIVET JOINT Baseline upgrades (i.e., RIVET JOINT BL-13 corresponds to Ground System BL-13, RIVET JOINT BL-14 corresponds to Ground System BL-14, RIVET JOINT BL-15 corresponds to Ground System BL-15) to the Ground Systems to ensure crews receive training on the appropriate mission system configurations.		
Activities also include studies and analysis to support both current program planning and execution and future program planning.		
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In PY 0.00M was expended for civilian pay expenses in this program element, and in CY 0.00M is forecasted for civilian pay expenses in this program element.		
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305207F I Manned Reconnaissance Systems				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	16.323	16.643	0.000	0.000	0.000	
Current President's Budget	18.323	28.733	17.114	0.000	17.114	
Total Adjustments	2.000	12.090	17.114	0.000	17.114	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	-1.910				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	14.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	2.000	0.000	17.114	0.000	17.114	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
Manned Reconnaissance Systems, received a Congressional add for FY2026 \$10.000 million for Automatic Target Recognition for Mission Autonomy. Upon Congressional spend plan approval, an Internal Reprogramming (IR) will be processed aligning the funding to PE1160403BB for proper execution.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Manned Reconnaissance Systems				18.323	28.733	17.114
Description: Non-recurring engineering (NRE) for Baseline system developments and enhancements to improve mission capabilities of the RIVET JOINT BL-16, COMBAT SENT BL-15, COBRA BALL BL-16, and Ground Systems BL-15.						
FY 2026 Plans:						
• Continue Engineering Analysis						
• Continue NRE and other efforts associated with the integration and modification of the RC-135 primary mission equipment						
• Continue Specialized Mission Systems development for the collection of both air and ground signals.						
FY 2027 Plans:						
Will initiate contracts to:						
• Continue Engineering Analysis						
• Continue NRE and other efforts associated with the integration and modification of the RC-135 primary mission equipment						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305207F I Manned Reconnaissance Systems							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
• Continue Specialized Mission Systems development for the collection of both air and ground signals.												
FY 2026 to FY 2027 Increase/Decrease Statement: The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.												
Accomplishments/Planned Programs Subtotals										18.323	28.733	17.114
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 Line Item DARP01: RC-135	242.066	231.001	246.933	-	246.933	248.290	238.714	243.325	248.191	0.000	1,698.520	
• APAF 06 Line Item DARP01: Initial Spares/Repair Parts	56.408	57.108	58.397	-	58.397	59.582	60.696	61.853	63.090	0.000	417.134	
• APAF 07 Line Item DARP01: Aircraft Support Equipment & Facilities	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
• OPAF 04 Line Item 846070: DARP RC-135	29.524	30.136	31.266	-	31.266	31.934	32.549	33.174	33.837	0.000	222.420	
• RDTE 07 PE 0304260F: Airborne SIGINT Enterprise	41.906	41.882	28.621	-	28.621	30.566	31.575	32.484	33.436	0.000	240.470	
Remarks												
E. Acquisition Strategy												
The RC-135 RIVET JOINT, COBRA BALL, and COMBAT SENT configured aircraft are maintained and kept technologically relevant through an incremental baseline upgrade acquisition strategy. Technology upgrades and Quick Reaction Capability (QRC) developments are acquired through the 645 AESG in accordance with the BIG SAFARI Program Management Directive (PMD) and Class Justification and Approval (J&A) document for acquisition of supplies and services using an "other than full and open competition" criteria. The supplies and services procured by 645 AESG satisfy National Security requirements (FAR 6.302-6) through the use of their standing J&A or address Unusual and Compelling Urgency requirements (FAR 6.302-2) through an individually prepared J&A supported by the BIG SAFARI Life Cycle Management Plan (LCMP) across the full spectrum of system life cycle management from developmental engineering to system retirement ("cradle to grave") support. Due to the ever changing threat and rapidly evolving electromagnetic combat environment encountered during our prolonged commitment to contingency operations, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Command (CCMD) and/or Intelligence Community (IC) requirements to better meet the war fighting objectives.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305207F / Manned Reconnaissance Systems						Project (Number/Name) 674754 / RC-135 Systems			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Operational Systems Development	SS/ Various	L3Harris Technologies : Greenville, TX	-	18.323	Dec 2024	28.733	Dec 2025	17.114	Dec 2026	0.000		17.114	0.000	64.170	0.000
Subtotal			-	18.323		28.733		17.114		0.000		17.114	0.000	64.170	N/A
Remarks															
All activity is based around the Programmed Depot Maintenance (PDM) airframe and missions systems schedule which includes multiple contracts and organizations with overlapping and continuous periods of performance. Due to the rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Command (CCMD) and/or Intelligence Community (IC) requirements.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	18.323		28.733		17.114		0.000		17.114	0.000	64.170	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305207F / <i>Manned Reconnaissance Systems</i>					Project (Number/Name) 674754 / <i>RC-135 Systems</i>			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Baseline Spiral Development																												
RIVET JOINT Baseline 14 Integration, Test and Fielding																												
RIVET JOINT Baseline 15 Development																												
RIVET JOINT Baseline 15 Integration, Test and Fielding																												
RIVET JOINT Baseline 16 Development																												
RIVET JOINT Baseline 16 Integration, Test and Fielding																												
RIVET JOINT Baseline 17 Development																												
RIVET JOINT Baseline 17 Integration, Test and Fielding																												
RIVET JOINT Baseline 18 Development																												
COMBAT SENT Baseline 15 Development																												
COMBAT SENT Baseline 15 Integration, Test and Fielding																												
COMBAT SENT Baseline 16 Development																												
COMBAT SENT Baseline 16 Integration, Test and Fielding																												
COMBAT SENT Baseline 17 Development																												
COBRA BALL Baseline 14 Integration, Test and Fielding																												
COBRA BALL Baseline 15 Development																												
COBRA BALL Baseline 15 Integration, Test and Fielding																												
COBRA BALL Baseline 16 Development																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																	Date: April 2026												
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0305207F / Manned Reconnaissance Systems										Project (Number/Name) 674754 / RC-135 Systems									
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
COBRA BALL Baseline 16 Integration, Test and Fielding																													
COBRA BALL Baseline 17 Development																													
Ground Systems Baseline 15 Development, Integration, Test and Fielding																													
Ground Systems Baseline 16 Development, Integration, Test and Fielding																													
Ground Systems Baseline 17 Development, Integration, Test and Fielding																													

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0305207F / Manned Reconnaissance Systems

Project (Number/Name)

674754 / RC-135 Systems

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Baseline Spiral Development				
RIVET JOINT Baseline 14 Integration, Test and Fielding	1	2025	3	2026
RIVET JOINT Baseline 15 Development	2	2025	2	2025
RIVET JOINT Baseline 15 Integration, Test and Fielding	2	2025	2	2029
RIVET JOINT Baseline 16 Development	3	2026	2	2028
RIVET JOINT Baseline 16 Integration, Test and Fielding	3	2028	3	2031
RIVET JOINT Baseline 17 Development	1	2029	1	2031
RIVET JOINT Baseline 17 Integration, Test and Fielding	1	2031	4	2031
RIVET JOINT Baseline 18 Development	3	2031	4	2031
COMBAT SENT Baseline 15 Development	2	2025	4	2026
COMBAT SENT Baseline 15 Integration, Test and Fielding	4	2026	3	2028
COMBAT SENT Baseline 16 Development	1	2028	3	2029
COMBAT SENT Baseline 16 Integration, Test and Fielding	3	2029	3	2031
COMBAT SENT Baseline 17 Development	2	2031	4	2031
COBRA BALL Baseline 14 Integration, Test and Fielding	1	2025	3	2026
COBRA BALL Baseline 15 Development	2	2025	4	2026
COBRA BALL Baseline 15 Integration, Test and Fielding	4	2026	2	2028
COBRA BALL Baseline 16 Development	2	2027	4	2028
COBRA BALL Baseline 16 Integration, Test and Fielding	4	2028	4	2031
COBRA BALL Baseline 17 Development	1	2030	4	2031
Ground Systems Baseline 15 Development, Integration, Test and Fielding	2	2025	3	2027
Ground Systems Baseline 16 Development, Integration, Test and Fielding	3	2028	4	2030

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305207F / Manned Reconnaissance Systems	Project (Number/Name) 674754 / RC-135 Systems	

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Ground Systems Baseline 17 Development, Integration, Test and Fielding	1	2031	4	2031

Note
Ground systems include the RIVET JOINT Mission Crew Training Systems (MCTS), Ground Data Processing System (GDPS), Modular Processing System (MPS), Airborne Capabilities Extension Systems (ACES) and Operational Flight Trainers (OFT). Baseline upgrades are determined by the aircraft programmed depot maintenance schedule. Hardware, firmware or software enhancements to the ground systems are set up to match the aircraft baseline upgrades. Typically, baseline configuration changes and enhancements are incorporated first into the MCTSs and OFTs, and then integrated into GDPS, MPS, and ACES. Delivery of the enhancements to the MCTSs and OFTs are planned to arrive concurrently, if not slightly prior, to the delivery of the first aircraft with an upgraded cockpit or mission system in a given baseline configuration to allow for aircrew and ground personnel training and qualification.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305208F I Distributed Common Ground/Surface Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	99.749	81.033	85.365	0.000	85.365	68.672	70.588	67.858	69.727	Continuing	Continuing
674826: Common Imagery Ground / Surface Systems	0.000	99.749	81.033	85.365	0.000	85.365	68.672	70.588	67.858	69.727	Continuing	Continuing

A. Mission Description and Budget Item Justification

Air Force Distributed Common Ground System (AF DCGS) weapon system (AN/GSQ-272) is the Combat Air Force (CAF)'s primary Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) node providing global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) at speed and scale to support C2-intel teaming and decision advantage across the competition continuum.

The AF DCGS mission is to provide Joint Task Force (JTF) Commanders, Joint Force and Combined Force Air Component Commanders (JFACC/CFACC), Combatant Commands, and other-directed organizations with global, time-sensitive Intelligence, Surveillance and Reconnaissance (ISR) data and fused Multi-Intelligence (Multi-INT) products across the competition continuum. The AF DCGS weapon system provides capabilities required to connect, direct, and exploit sensors, as well as transform the vast array of multi-source/multi-domain data from available sensors/sources into actionable intelligence to find, fix, track and inform targeting of adversary forces and enable simultaneous kill chains. AF DCGS is also a major component of the DoD intelligence infrastructure and the AF's primary intelligence sense-making element and critical enabler for the Department of the Air Force (DAF) Battle Network. AF DCGS leveraging its robust, resilient transport and resilient, distributed architecture to ensure survivable Command and Control (C2), robust communication capabilities, rapid sensor integration, and comprehensive target and problem centric, sensor-agnostic analysis and exploitation to meet C/JFACC's operational objectives.

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, as the primary C2ISR node, has access to a multitude of sensors and data across the Intelligence Community, to include Publicly Available Information (PAI). AF DCGS leverages customizable Analysis and Exploitation Teams (AETs) to provide time-dominant and tailored fused intelligence to meet Air Operations Center (AOC) and targeting mission requirements and supports sensor to shooter and the kill chain activities across the competition continuum. AETs leverage Artificial Intelligence (AI)/Machine Learning (ML), Automation and Augmentation (AAA) technologies to automate and 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. The DCGS analysts use all available data sources and emerging capabilities to enhance their understanding of intelligence/targeting problem sets and provide the required intelligence.

AF DCGS is a regionally aligned, globally networked ISR enterprise composed of eight core sites (two active duty OCONUS, three active duty CONUS and three Air National Guard CONUS), six SIGINT Distributed Mission Sites (four collocated with National Mission Partner sites), three Air National Guard Full-Motion Video (FMV) sites, and four integration and test environments connected by robust, resilient communications infrastructure. AF DCGS currently supports ongoing operations from in-garrison CONUS and OCONUS-based locations.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0305208F I Distributed Common Ground/Surface Systems				
AF DCGS' open, resilient, distributed architecture enables the rapid incorporate modern technologies and tools, new/improved sensor capabilities, and GEOINT, SIGINT and Multi-INT mission applications to meet emerging and urgent operational needs. Additionally, DCGS conforms with USD(I&S)'s efforts to improve data sharing through its Common Data Fabric (CDF), as well as the Space Force's efforts with its Unified Data Library (UDL). AF DCGS integrates commercial-off-the-shelf and government-off-the-shelf services and applications to fulfill operational requirements and data sharing requirements across the DoD DCGS community						
In FY 2026, AF DCGS transitioned to one Software Acquisition Pathway (SWP) program (encompassing Mission Applications, Mission Data Services, and DCGS Operations Integration and Transformation) and maintained a single ACAT III for Network Infrastructure Transformation (NIT). Leveraging SWP for software-centric capabilities allows the program to be more responsive to warfighter requirements, streamlining acquisition processes to enable swift integration of emerging technologies and accelerated fielding of minimum viable products.						
Efforts within this PE align with USAF investment in Advanced Battle Management System (ABMS) (0604003F), Tech Transition - Air (0604858F), and ISR Transport and Processing (0305240F) to deliver the Long-Range Fires architecture for the DAF BATTLE NETWORK.						
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		86.476	79.033	0.000	0.000	0.000
Current President's Budget		99.749	81.033	85.365	0.000	85.365
Total Adjustments		13.273	2.000	85.365	0.000	85.365
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	2.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		13.273	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	85.365	0.000	85.365

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305208F I Distributed Common Ground/Surface Systems	
<u>Change Summary Explanation</u> The FY2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY cannot be made in a relevant manner.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305208F / Distributed Common Ground / Surface Systems				Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674826: Common Imagery Ground / Surface Systems	0.000	99.749	81.033	85.365	0.000	85.365	68.672	70.588	67.858	69.727	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In FY 2026, AF DCGS transitioned from four ACAT III efforts (GEOINT Transformation, SIGINT Transformation, Multi-INT Transformation, and Network Infrastructure Transformation) to one Software Acquisition Pathway (SWP), encompassing Mission Applications, Mission Data Services, and DCGS Operations Integration and Transformation (OI&T), and maintain the Network Infrastructure Transformation (NIT) ACAT III. The SWP with its realigned categories consist of the efforts formerly in the GEOINT Transformation, SIGINT Transformation and Multi-INT Infrastructure ACATs.

1. GEOINT Transformation-1: Rapidly integrates new and updated GEOINT capabilities and enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody tasks). Leverages mission partner methods and tools to the maximum extent possible.
2. SIGINT Transformation-1: Rapidly integrates new and updated SIGINT capabilities and enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2), and data link visualization capabilities on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody tasks). Leverages mission partner methods and tools to the maximum extent possible.
3. Multi-Intelligence-1: Rapidly integrates new and updated enterprise services, core shared services and applications to include voice and chat communications, collaboration, and situational awareness, Enterprise Multi-INT Data and Services (EMDS), Multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/ Machine Learning (AI/ML), Automation and Augmentation (AAA)) on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) tasks. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I&S)'s Common Data Fabric (CDF) and Space Forces' Unified Data Library (UDL) Initiatives. Addresses program office test and evaluation activities. Performs test activities for entire AF DCGS enterprise.

Acquisition Realignment:

Network Infrastructure Transformation ACAT III: Modernizes the AF DCGS network transport and resilient, distributed architecture (COTS/GOTS Hardware and Software) to ensure a cyber resilient, open, scalable, commercial-based, architecture, and required data ingest, transfer, and storage capabilities, collaboration, and content driven discovery for critical reference data. AF DCGS resilient, distributed architecture consists of a mix of on-premises infrastructure (including Department of the Air Force Cloud Works (DAFCw) edge node) and commercial cloud architecture to meet mission-assured requirements. AF DCGS leverages Unclassified, Secret and Top-Secret Air Force commercial cloud environments. Network Infrastructure Transformation also handles integration of any required ground line of sight capabilities supporting ISR airborne assets as well as ongoing/planned efforts to converge C2ISR onto federated, digital infrastructure.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground / Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>
AF DCGS Software Acquisition Pathway (SWP) - Mission Applications (MAS), Mission Data Services (MDS) and Operations, Integration and Transformation (OI&T): Delivers mission-critical, end-user software applications required for analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and data dissemination of a multitude of sensor data via Mission Applications, Mission Data Services, and Operations Integration & Transformation sections. The Software Acquisition Pathway (SWP) rapidly develops, integrates, tests, evaluates and fields new and updated GEOINT, SIGINT, & Multi-INT capabilities by leveraging COTS/GOTS Software when available, enables quick/seamless integration of new sensors, data types, sensor planning, and C2 capabilities; and provides data link visualization capabilities on to AF DCGS resilient, distributed architecture (private on-premises and/or commercial cloud environments) to meet mission assured requirements. Breakout of categories under Software Acquisition Pathway are included below: A. Mission Applications Mission Applications - GEOINT: efforts include development and integration of sensor C2, planning, and management; mission management; GEOINT High-Altitude (HA) and Full Motion Video (FMV) processing, exploitation and workflow capabilities; and product dissemination to support DCGS analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and integration and dissemination of a multitude of sensor data tasks, as well as IC/DoD cyber security and Zero Trust mandates. Mission Applications - SIGINT: efforts include development and integration of sensor C2, planning, and management; mission management; sensor data emulator; SIGINT processing, exploitation and workflow capabilities; and product dissemination to support DCGS analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and integration of a multitude of sensor data tasks, as well as IC/DoD cyber security and Zero Trust mandates. B. Mission Data Services Multi-INT Data Services: efforts include development and integration of new and modernization of, shared data services to include voice and chat communications, collaboration, and situational awareness; Multi-INT tailored analytic capabilities; enterprise services, cross domain solutions, enterprise service bus data exchange and interoperability capabilities, ArcGIS common production environment/disposition of forces initiatives as well as IC/DoD cyber security and Zero Trust mandates. C. Ops Integration and Transformation Includes management and funding for AF DCGS Dev/Sec/Ops Continuous Integration/Continuous Delivery (CI/CD) environment and agile software development, test, integration and deployment activities. CI/CD leverages both commercial cloud and on premises infrastructure. Funds and manages program office test and evaluation activities and Enterprise Cloud Test Environment. Manages PMO Cyber and Zero Trust efforts. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / Distributed Common Ground / Surface Systems	Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: GEOINT Transformation-1 Description: Rapidly integrates new and updated GEOINT capabilities and enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody tasks. Leverages mission partner methods and tools to the maximum extent possible. FY 2026 Plans: Transitioning to Software Acquisition Pathway Program FY 2027 Plans: Transitioned to Software Acquisition Pathway Program		20.245	0.000	0.000
Title: SIGINT Transformation-1 Description: Rapidly integrates new and updated SIGINT capabilities and enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2), and data link visualization capabilities on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody tasks. Leverages mission partner methods and tools to the maximum extent possible. FY 2026 Plans: Transitioning to Software Acquisition Pathway Program FY 2027 Plans: Transitioned to Software Acquisition Pathway Program		31.128	0.000	0.000
Title: Multi-Intelligence-1 Description: Rapidly integrates new and updated enterprise services, core shared services and applications to include voice and chat communications, collaboration, and situational awareness, Enterprise Multi-INT Data and Services, Multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/Machine Learning (AI/ML), Automation and Augmentation (AAA)) on to the AF DCGS resilient, distributed architecture to meet mission assured requirements and enable DCGS' analyst global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) tasks. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I&S)'s Common Data Fabric (CDF) and Space Forces' Unified Data Library (UDL) Initiatives. Addresses program office test and evaluation activities. Performs test activities for entire AF DCGS enterprise.		47.044	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
FY 2026 Plans: Transitioning to Software Acquisition Pathway Program					
FY 2027 Plans: Transitioned to Software Acquisition Pathway Program					
Title: Network Infrastructure Transformation Description: Modernizes the AF DCGS network transport and resilient, distributed architecture (COTS/GOTS Hardware and Software) to ensure a cyber resilient, open, scalable, commercial-based, architecture, and required data ingest, transfer, and storage capabilities, collaboration, and content driven discovery for critical reference data. AF DCGS resilient, distributed architecture consists of a mix of on-premises infrastructure (including DAFCw edge node) and commercial cloud architecture to meet mission-assured requirements. AF DCGS leverages Unclassified, Secret and Top-Secret Air Force commercial cloud environments. Network Infrastructure Transformation also handles integration of any required ground line of sight capabilities supporting ISR airborne assets as well as ongoing/planned efforts to converge C2/ISR onto federated, digital infrastructure. FY 2026 Plans: - Continue to develop, integrate, test and field updates to the DCGS network transport systems and management capabilities, Resilient, Distributed Cloud environments, end user devices (workstations, etc.) and line of site capabilities - Continue to develop, integrate, test and field mandated cyber security capabilities/update FY 2027 Plans: - Will continue to develop, integrate, test and field updates to the DCGS network transport systems and network/releaseable enclave management capabilities - Will continue to develop, integrate, test and field updates to resilient, distributed architecture and end user devices (workstations, etc.) and cross domain data access workstation SecureView capability FY 2026 to FY 2027 Increase/Decrease Statement: N/A			1.332	0.900	0.900
Title: Mission Applications Description: Delivers mission-critical software applications required for analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and data dissemination of a multitude of sensor data. This overall effort rapidly integrates, develops, tests, evaluates and fields new and updated GEOINT, SIGINT, & Multi-INT capabilities by leveraging COTS/GOTS Software; enables quick/seamless integration of new sensors, data types,			0.000	48.576	53.160

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>		Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
sensor planning, and C2 capabilities; and provides data link visualization capabilities on to AF DCGS resilient, distributed architecture (private on-premises and/or commercial cloud environments) to meet mission assured requirements. FY 2026 Plans: Mission Applications GEOINT efforts include development and integration of sensor C2, planning, and management; mission management; GEOINT High-Altitude (HA) and Full Motion Video (FMV) processing, exploitation and workflow capabilities; and product dissemination to support DCGS analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and integration and dissemination of a multitude of sensor data tasks, as well as IC/DoD cyber security and Zero Trust mandates. FY 2026 Plans - Continue to develop and integrate cyber security mandates - Continue to develop, integrate, test and field new and updated GEOINT sensor/sensor mode command and control (C2), mission planning (Enterprise Collection Planner), sensor management and operational capabilities - Continue to develop, integrate, test and field new and updated GEOINT and Full Motion Video (FMV) operational (workflow, exploitation, etc.) and management capabilities on resilient, distributed cloud environment. Will Continue GEOINT mission application commercial cloud efforts. Mission Applications SIGINT efforts include development and integration of sensor C2, planning, and management; mission management; sensor data emulator; SIGINT processing, exploitation and workflow capabilities; and product dissemination to support DCGS analysts' global orchestration, sense-making, tailored analysis (battlespace awareness, battlespace characterization, and targetable custody) and integration and of a multitude of sensor data tasks, as well as IC/DoD cyber security and Zero Trust mandates. FY 2026 Plans: - Continue to develop, integrate, test and field new and updated SIGINT sensor command and control (C2), mission planning, and sensor management operational capabilities as well as sensor emulator capabilities - Continue to develop, integrate, test, and field new and updated SIGINT-specific operational (workflow and exploitation), as well as management capabilities and data link situational awareness capabilities, on resilient, distributed cloud as well as develop and integrate new data types into the SIGINT Sensor Data Ingest (SSDI) capability. - Continue to develop and integrate cyber security mandates - Start computer vision platform for high altitude imagery object re-identification FY 2027 Plans:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>		Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Will continue to develop, integrate, test and field new and updated GEOINT capabilities on DCGS resilient, distributed architecture to connect, direct, and exploit sensors, as well as transform the vast array of multi-source/multi-domain data from available ISR sensors/sources into actionable intelligence to find, fix, track and inform targeting of adversary forces and enable simultaneous kill chains - Will continue to develop, integrate, test and field new and updated sensor agnostic ingest, management, planning and emulator capabilities - Will continue to develop, integrate, test and field new and updated capabilities to GEOINT-specific High Altitude (HA), Full Motion Video (FMV), and Analysis and Exploitation Team (AET) operational (workflow, exploitation, etc.) capabilities - Will continue to develop, integrate, test and field new and updated SIGINT capabilities on DCGS resilient, distributed architecture to connect, direct, and exploit sensors, as well as transform the vast array of multi-source/multi-domain data from available ISR sensors/sources into actionable intelligence to find, fix, track and inform targeting of adversary forces and enable simultaneous kill chains. - Will continue to develop, integrate, test and field new and updated capabilities to SIGINT-specific and Analysis and Exploitation Team (AET) operational capabilities (workflow, exploitation, etc.) - Will continue to develop, integrate, test and field SIGINT Sensor Data Ingest (SSDI) National Mission Partner Gateway (NMPG) capabilities at additional sites for improved resiliency - Will continue to develop, integrate, test and field new and updated sensor agnostic ingest, management, planning and emulator capabilities - Will continue to develop, integrate, test and field mandated IC/DoD cyber security and Zero Trust capabilities/updates FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase of \$4.584M due to increased development capacity for Mission Applications Imagery Agile Release Train (ART) to provide new/improved GEOINT high-altitude and full motion video exploitation capabilities; SIGINT agile release train to provide new/improved COMINT and ELINT exploitation capabilities					
Title: Mission Data Services Description: Efforts include development and integration of new and modernization of, shared data services to include voice and chat communications, collaboration, and situational awareness; Multi-INT tailored analytic capabilities; enterprise services, cross domain solutions, enterprise service bus data exchange and interoperability capabilities, ArcGIS common production environment/ disposition of forces initiatives as well as IC/DoD cyber security and Zero Trust mandates FY 2026 Plans: - Continue to develop, integrate, test and field new and updated Enterprise Services, Core Shared Services and Multi-INT capabilities on DCGS resilient, distributed cloud architecture (private on-premises and/or commercial cloud environments) to connect, direct, and exploit sensors, as well as transform the vast array of multi-source/multi-domain data from available ISR			0.000	17.460	17.289

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>		Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
sensors/sources into actionable intelligence to find, fix, track and inform targeting of adversary forces and enable simultaneous kill chains - Will continue to develop, integrate, test and field Raise the Bar Compliant Cross Domain capability - Continue to develop, integrate, test and field new and updated Multi-INT, AAA, multi-INT fusion, ArcGIS common production environment, visualization/situational awareness, collaboration and data access capabilities - Continue to develop, integrate, test and field new and updated Enterprise Services and Core Shared Services FY 2027 Plans: - Will continue to develop, integrate, test and field new and updated Enterprise Services, shared data services and Multi-INT capabilities on DCGS resilient, distributed architecture to connect, direct, and exploit sensors, as well as transform the vast array of multi-source/multi-domain data from available ISR sensors/sources into actionable intelligence to find, fix, track and inform targeting of adversary forces and enable simultaneous kill chains - Will continue to develop, integrate, test and field Raise the Bar Compliant Cross Domain capability - Will continue to develop, integrate, test and field new and updated Multi-INT, AAA, multi-INT fusion, visualization/situational awareness, collaboration, and data access capabilities - Will continue to develop, integrate, test and field new and updated ArcGIS Common production Environment capabilities - Will continue to develop, integrate, test and field new and updated Enterprise Services and Shared Data Services FY 2026 to FY 2027 Increase/Decrease Statement: N/A					
Title: Ops Integration and Transformation (OI&T) Description: Includes management and funding for AF DCGS Dev/Sec/Ops Continuous Integration/Continuous Delivery (CI/CD) environment and agile software development, test, integration and deployment activities. CI/CD leverages both commercial cloud and on premises infrastructure. Funds and manages program office test and evaluation activities and Enterprise Cloud Test Environment. Manages PMO Cyber and Zero Trust solutions. FY 2026 Plans: - Continue to provide AF DCGS CI/CD environment integrated with AF DCGS non-cloud-based system components ISO agile software development, test, integration and deployment activities. - Continue to fund test support to complete developmental test events for operational capabilities - Continue to develop and integrate Zero Trust solutions to ensure compliance with Zero Trust policy - Continue to develop and integrate cyber security mandates FY 2027 Plans: - Will continue to provide AF DCGS CI/CD environment integrated with AF DCGS non-cloud-based system components ISO agile software development, test, integration and deployment activities.			0.000	14.097	14.016

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>				Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
- Will continue to fund test support to complete developmental test events for operational capabilities - Will continue to develop and integrate Zero Trust solutions to ensure compliance with Zero Trust policy - Will continue to develop and integrate cyber security mandates											
FY 2026 to FY 2027 Increase/Decrease Statement: N/A											
Accomplishments/Planned Programs Subtotals								99.749	81.033	85.365	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 04 Line Item, 846080: DCGS-AF	16.754	48.732	84.226	-	84.226	83.748	85.335	86.888	88.625	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
AF DCGS acquisition strategy is to use approved lean and agile industry practices and leverage to the maximum extent possible commercial off the shelf, government off the shelf, and mission partner capabilities to continuously develop and field new and improved operational capabilities hosted on its open, resilient distributed cloud infrastructure to meet mission requirements. Contracting strategy involves a combination of Basic Ordering Agreements (BOAs), Indefinite Delivery/Indefinite Quantity (IDIQ) contracts awarded to execute program funds and delivery/task orders are negotiated/awarded individually. In FY 2026, AF DCGS transitioned from four ACAT III efforts (GEOINT Transformation, SIGINT Transformation, Multi-INT Infrastructure, and Network Infrastructure Transformation) to one Software Acquisition Pathway (SWP), encompassing Mission Applications, Mission Data Services, and DCGS Operations Integration and Transformation (OI&T), and maintained the Network Infrastructure Transformation (NIT) ACAT III. The SWP with its realigned categories consists of the efforts formerly in the GEOINT Transformation, SIGINT Transformation and Multi-INT Infrastructure ACATs. Adopting SWP improves responsiveness to warfighter needs for software-centric capabilities, expedite minimum viable products, drives technology integration, and aligns agile release trains with streamlined acquisition.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>				Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GEOINT Transformation-1	Various	Various : Various	-	13.844	Jan 2025	-		-		-		-	Continuing	Continuing	-
SIGINT Transformation-1	Various	Various : Various	-	24.567	Dec 2024	-		-		-		-	Continuing	Continuing	-
Multi-Intelligence-1	Various	Various : Various	-	31.170	Jan 2025	-		-		-		-	Continuing	Continuing	-
Network Infrastructure Transformation-1	Various	Various : Various	-	0.433	Mar 2026	-		-		-		-	Continuing	Continuing	-
Mission Applications	Various	Various : Various	-	-		40.320	Dec 2025	41.904	Dec 2026	-		41.904	Continuing	Continuing	-
Mission Data Services	Various	Various : Various	-	-		12.021	Dec 2025	8.850	Dec 2026	-		8.850	Continuing	Continuing	-
Ops Integration and Transformation	Various	Various : Various	-	-		5.655	Dec 2025	2.433	Dec 2026	-		2.433	Continuing	Continuing	-
Subtotal			-	70.014		57.996		53.187		-		53.187	Continuing	Continuing	N/A
Remarks															
Note on "various" entries - Contract Method, Contract Type, Performing Activity, Target Value of Contract are entered as "various" because there are multiple projects within each upgrade and depending on the type of effort to be completed determines the contract vehicle to use. There is no way on this document to delineate the contracts that support each upgrade as they are numerous.															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ops Integration and Transformation	Various	Various : Various	-	2.588	Dec 2024	3.860	Dec 2025	4.000	Dec 2026	-		4.000	Continuing	Continuing	-
DCA Positions	Various	Various : Various	-	1.144	Oct 2024	1.291	Oct 2025	1.292	Oct 2026	-		1.292	Continuing	Continuing	-
Subtotal			-	3.732		5.151		5.292		-		5.292	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Various : Various	-	26.003	Nov 2024	17.886	Nov 2025	26.886	Nov 2026	-		26.886	Continuing	Continuing	-
Subtotal			-	26.003		17.886		26.886		-		26.886	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305208F / Distributed Common Ground / Surface Systems					Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Remarks Note on "various" entries - Contract Method, Contract Type, Performing Activity, Target Value of Contract are entered as "various" because there are multiple projects within in each upgrade and depending on the type of effort to be completed determines the contract vehicle to use. There is no way on this document to delineate the contracts that support each upgrade as they are numerous.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	99.749		81.033		85.365		-		85.365	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305208F / Distributed Common Ground / Surface Systems			Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AF Distributed Ground Station																												
GEOINT Transformation Agile Release Train (ART) and Sensor Efforts																												
SIGINT Transformation ART and Sensor Efforts																												
Multi-INT Transformation Data Analytics IPT Efforts																												
Network Infrastructure Transformation: Transport, Open Architecture (PaaS/ Enterprise/Cored Shared Sys) and Commercial Cloud																												
Mission Applications Agile Release Train (ART) for GEOINT and SIGINT																												
Mission Data Services																												
Ops Integration and Transformation																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>AF Distributed Ground Station</i>				
GEOINT Transformation Agile Release Train (ART) and Sensor Efforts	1	2025	4	2025
SIGINT Transformation ART and Sensor Efforts	1	2025	4	2025
Multi-INT Transformation Data Analytics IPT Efforts	1	2025	4	2025
Network Infrastructure Transformation: Transport, Open Architecture (PaaS/Enterprise/Cored Shared Sys) and Commercial Cloud	1	2025	4	2031
Mission Applications Agile Release Train (ART) for GEOINT and SIGINT	1	2026	4	2031
Mission Data Services	1	2026	4	2031
Ops Integration and Transformation	1	2026	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305220F I RQ-4 UAV							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.171
675149: RQ-4 Capability Enhancements	0.000	6.171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.171
Program MDAP/MAIS Code: 252												
A. Mission Description and Budget Item Justification												
The RQ-4B Global Hawk is a high-altitude, long-endurance, all-weather, day/night Intelligence, Surveillance and Reconnaissance (ISR) platform delivering Synthetic Aperture Radar (SAR)-based Ground Moving Target Indicator (GMTI) and Maritime Mode Target Indicator (MMTI)capabilities to the warfighter.												
To win high-end conflict, the future force design must deliver ISR capabilities and concepts of operation that can survive against peer/near-peer threats in highly contested environments. To accomplish this, in FY 2027 the USAF will focus on maximizing the Block 40's value to the DoD until divestiture.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F”												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
B. Program Change Summary (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total				
Previous President's Budget				6.171	0.000	0.000	0.000	0.000	0.000			
Current President's Budget				6.171	0.000	0.000	0.000	0.000	0.000			
Total Adjustments				0.000	0.000	0.000	0.000	0.000	0.000			
• Congressional General Reductions				0.000	0.000							
• Congressional Directed Reductions				0.000	0.000							
• Congressional Rescissions				0.000	0.000							
• Congressional Adds				0.000	0.000							
• Congressional Directed Transfers				0.000	0.000							
• Reprogrammings				0.000	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	0.000		0.000	0.000			

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0305220F I RQ-4 UAV	
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner. In FY2026, RQ-4 execution transitioned to O&M, supporting sustainment profile until divestment.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305220F / RQ-4 UAV				Project (Number/Name) 675149 / RQ-4 Capability Enhancements			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675149: RQ-4 Capability Enhancements	0.000	6.171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.171
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding in this project supports design, development, integration, and testing of capabilities needed to maintain Block 40 capabilities and maximize system performance until divestment, including reliability and maintainability improvements. Funding also supports continuing aircraft airframe updates, aircraft operations surety, cybersecurity, information assurance, and mission critical repair of Government Furnished Equipment (GFE).

This project includes systems engineering/program management, configuration and data management, test and evaluation, management services, Deficiency Report (DR)/Military Intelligence Program (MIP) Investigations, studies and analysis and fielding support for RQ-4 aircraft and Ground Segment/Communication Systems. The project also ensures compliance with DoD cybersecurity network requirements to operate in the DoD Information Network (DoDIN). This reflects contracting/acquisition strategy for these common elements within the Global Hawk program to provide efficiencies.

Activities include required airspace, interoperability and communication updates, periodic Operational Flight Program releases, airframe and software upgrades, sensor enhancements including data distribution and storage, enhancements to support multi-domain contested environment operations, Authority to Operate surety enhancements, and studies and analysis supporting system maintenance and divestment.

The RQ-4 program will maintain interoperability with system of systems partners and continue to incorporate applicable synergies with other platforms, other RPA weapon systems, and Processing, Exploitation & Dissemination (PED) elements. The networking capability for intelligence dissemination is required to provide the data transport interface between the Weapons System, Operations Centers, and external Intelligence Community customers.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2025, civilian pay expenses were 2.096M in this program element. In FY 2026, RQ-4 execution transitioned to O&M, supporting sustainment profile until divestment.

This program element may include necessary emergent or unanticipated Product Support Costs (PSC) and civilian pay expenses required to manage, execute, and deliver RQ-4 program for emergent or unanticipated weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: RQ-4 Infrastructure	6.171	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305220F / RQ-4 UAV	Project (Number/Name) 675149 / RQ-4 Capability Enhancements	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
Description: RQ-4 Infrastructure includes system engineering, program management, and logistics support for all RQ-4 projects as well as safety of flight-related Operational Flight Program (OFP) updates and releases and Other Government Costs (OGC). FY 2026 Plans: -Funding transitioned to O&M, supporting sustainment profile until divestment. FY 2027 Plans: -N/A FY 2026 to FY 2027 Increase/Decrease Statement: -N/A			
		Accomplishments/Planned Programs Subtotals	
C. Other Program Funding Summary (\$ in Millions) N/A Remarks			
D. Acquisition Strategy The RQ-4 program's acquisition strategy is focused on supporting the existing RQ-4 Block 40 fleet and maintaining its Intelligence, Surveillance, and Reconnaissance (ISR) capability until divestment. Northrop Grumman Corporation serves as the prime contractor, responsible for delivering sustainment and support services. The program utilizes a suite of contract vehicles, primarily Indefinite Delivery, Indefinite Quantity (IDIQ) contracts, to cover activities including sustainment, retrofit, fielding, and contract closeout.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305220F / RQ-4 UAV				Project (Number/Name) 675149 / RQ-4 Capability Enhancements					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Non Prime Technical Support	Various	Various : Dayton, OH	0.000	-		-		-		-		-	0.000	0.000	-
Direct Cite Authority Civilian Pay	TBD	Not specified. : TBD	0.000	2.096	Nov 2024	-		-		-		-	0.000	2.096	-
Subtotal			0.000	2.096		-		-		-		-	0.000	2.096	N/A
Remarks Target Value of the RQ-4 effort is not segregated by Budget Project Number.															
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSC: A&AS	Various	Various : Dayton, OH	0.000	3.995	Jun 2025	-		-		-		-	0.000	3.995	-
PSC: Other Government Costs	Various	Various : Dayton, OH	0.000	0.080	Jun 2025	-		-		-		-	0.000	0.080	-
Subtotal			0.000	4.075		-		-		-		-	0.000	4.075	N/A
Remarks Target Value of the RQ-4 effort is not segregated by Budget Project Number.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	6.171		-		-		-		-	0.000	6.171	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 7	PE 0305220F / RQ-4 UAV	675149 / RQ-4 Capability Enhancements	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
RQ-4 Capability Enhancement																												
RQ-4 Infrastructure																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305220F / RQ-4 UAV	Project (Number/Name) 675149 / RQ-4 Capability Enhancements

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
RQ-4 Capability Enhancement				
RQ-4 Infrastructure	1	2025	4	2025

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305221F I Network-Centric Collaborative Targeting							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.952	12.019	9.146	0.000	9.146	9.507	9.696	9.878	10.078	Continuing	Continuing
675197: NCCT Core Technology	0.000	9.952	12.019	9.146	0.000	9.146	9.507	9.696	9.878	10.078	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Network Centric Collaborative Targeting (NCCT) is the Department of the Air Force's (DAF) program of record performing platform agnostic, tactical, cooperative geo-location against time sensitive targets. At its core, NCCT is a cloud-based, Joint sensor network that integrates sensors and shooters via a multi-domain, multi-intelligence (multi-INT) AI/ML-assisted decision matrix over a survivable network to find, fix, track, and target (F2T2) threats in highly contested battlespaces.

Operationally, NCCT is currently deployed on a variety of DAF aircraft, the DCGS, and other DoD assets. NCCT's utilization of intelligent sensor mesh networks, multi-INT fusion, and its cross-domain information sharing and sensor C2 are key contributions to the Sensing Grid's sensing, sense making, integration, and global orchestration thrusts.

NCCT research and development funding supports development of the NCCT message set, network management systems, and technology modernization specific to network and fusion architecture design. Development funds also support software modifications required for development and integration with new and emerging platforms, and incorporation of new data fusion algorithms while satisfying DoD standards and Information Assurance requirements.

FY 2027 funding will be dedicated to continued scaling of the long-range kill chain by leveraging multi-INT AI/ML-assisted fusion, focused integration into track custody ontologies via object-based methods, as well as tactical edge fusion and orchestration support. NCCT will be working closely with C3BM and DAF Battle Network to advance core capabilities to fulfill critical networking requirements, as well as continued partnerships and integrations with the Joint Force.

FY 2026 funding is dedicated to filling critical capability gaps in the long-range kill chain and multi-INT High Capacity F2T2EA (HCF) sense-making, as well as continued partnerships and integrations with the Joint Force. NCCT is working closely with C3BM to enhance core capabilities, fulfill critical networking and fusion gaps, and advance long-range kill chain operations. NCCT is also developing advanced techniques for rapid sensemaking of multi-INT HCF sensors by leveraging cross-intelligence AI/ML-assisted fusion and optimizing the network to mirror targeting priorities. Finally, NCCT is continuing integration efforts with the Joint Fires Network, DAF Battle Network, and the Navy through the Joint Integrated Fire Control - Electronic Warfare Multi-INT Fusion Engine (JIFC-EW).

FY 2025 funding was focused on continued cloud utilization, refinement of the user interface, integrations of multiple new data sources and required fusion upgrades to support them, and optimization of automation gained through synaptic intelligence-based AI/ML.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305221F I Network-Centric Collaborative Targeting				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		8.952	12.019	0.000	0.000	0.000
Current President's Budget		9.952	12.019	9.146	0.000	9.146
Total Adjustments		1.000	0.000	9.146	0.000	9.146
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		1.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	9.146	0.000	9.146
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Core Technology				9.952	12.019	9.146
Description: Accomplishments and planned efforts include development and upgrade of NCCT; technical support to users, fielding new user capabilities, and management activities						
FY 2026 Plans:						
FY 2026 funding is dedicated to no more than two major capability releases and one minor release, which are planned to include the following capabilities:						
- Core capability advancements in support of long-range kill chain enhancements						
- Rapid sensemaking and network optimization for HCF						
- Continued integration with Joint Fires Network, DAF Battle Network, and Navy						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0305221F I Network-Centric Collaborative Targeting							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Finally, FY 2026 funding will preserve rapid software delivery based on continuous user feedback and emerging requirements.											
FY 2027 Plans: FY 2027 funding will be dedicated to no more than one major capability release and one minor release, which are planned to include the following capabilities: - Continued scaling of long-range kill chain capabilities leveraging AI/ML-assisted fusion - Focused integration into track custody ontologies via object-based methods - Tactical edge fusion enhancements and orchestration support - Continued partnerships and integrations with the Joint Force Finally, FY 2027 funding will preserve rapid software delivery based on continuous user feedback and emerging requirements.											
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding represents normal FYDP funding levels following an FY 2026 increase of 2.924M to support C3BM priorities including National-to-Tactical tip and queue integration and Long-Range Kill Chain enhancements.											
Accomplishments/Planned Programs Subtotals							9.952	12.019	9.146		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 832070: Intelligence Comm Equipment	2.838	3.872	3.559	-	3.559	3.642	3.712	3.776	3.852	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
The 645 AESG, Wright Patterson AFB OH, manages the Cost Plus Fixed Fee (CPFF) contracts used for the agile software development of NCCT Core Technology. 645 AESG will develop NCCT software on common hardware for systems and platforms designated to field this ISR capability. Individual platform program management offices may contract directly with their prime contractors or through the 645 AESG for integration of NCCT capabilities on their respective systems and platforms.											
Due to the rapidly changing threat environment, NCCT's DevSecOps and Agile software 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/evolving/urgent operational requirements. Activities encompassed within PME upgrade may include, but are not limited to, assembly, test and checkout; mission system upgrades, external communications upgrades, software development, systems engineering, and program support costs (PSC).											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305221F / Network-Centric Collaborative Targeting						Project (Number/Name) 675197 / NCCT Core Technology					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Core Technology Development (Agile)	SS/CPFF	L-3 ComCept : Rockwall, TX	-	3.088	Feb 2025	6.624	Feb 2026	6.704	Feb 2027	-		6.704	Continuing	Continuing	-		
UI/UX development	SS/FFP	Anduril : Los Angeles, CA	-	3.562	Jan 2025	-		-		-		-	Continuing	Continuing	-		
AI/ML Development	SS/ Various	NaraLogics : Boston, MA	-	1.402	Nov 2024	1.355	Nov 2025	1.303	Nov 2026	-		1.303	Continuing	Continuing	-		
Subtotal			-	8.052		7.979		8.007		-		8.007	Continuing	Continuing	N/A		
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Cloud Hosting Services	Reqn	16th AF M2O : JBSAL, TX	-	0.800	Jul 2025	1.153	Jul 2026	1.014	Jul 2027	-		1.014	Continuing	Continuing	-		
Cloud Migration	SS/ Various	CACI : Sarasota, FL	-	1.000	Jul 2025	0.996	Jul 2026	0.000	Jul 2027	-		0.000	Continuing	Continuing	-		
Subtotal			-	1.800		2.149		1.014		-		1.014	Continuing	Continuing	N/A		
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
PSC	Allot	645 AESG : Dayton, OH	-	0.100	Mar 2025	1.891	Mar 2026	0.125	Mar 2027	-		0.125	Continuing	Continuing	-		
Subtotal			-	0.100		1.891		0.125		-		0.125	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	9.952		12.019		9.146		-		9.146	Continuing	Continuing	N/A		
Remarks																	

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305221F / Network-Centric Collaborative Targeting						Project (Number/Name) 675197 / NCCT Core Technology			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
UI/UX Development																												
Lattice Operating System Integration																												
AI/ML Development																												
Synaptic Intelligence Platform Development & Integration																												
Core Development																												
Major Release - Capability Development, Test, Integration																												
Minor Release - Development, Test, Integration, Security Updates																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305221F / Network-Centric Collaborative Targeting	Project (Number/Name) 675197 / NCCT Core Technology	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
UI/UX Development				
Lattice Operating System Integration	1	2025	4	2025
AI/ML Development				
Synaptic Intelligence Platform Development & Integration	1	2025	4	2031
Core Development				
Major Release - Capability Development, Test, Integration	1	2025	4	2031
Minor Release - Development, Test, Integration, Security Updates	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305238F I NATO AGS							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.865	0.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
676001: NATO AGS	0.000	0.865	0.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

-Funding realigned to support higher AF priorities.

A. Mission Description and Budget Item Justification

This program funds the U.S. support to the Alliance Ground Surveillance (AGS) system, a North Atlantic Treaty Organization (NATO) program. AGS is an airborne ground surveillance capability that provides continuous, wide area surveillance in all weather conditions. It provides NATO decision makers with near real time information and situational awareness concerning friendly, neutral and opposing ground and maritime forces to support mission planning and execution, including force protection and targeting. All NATO nations have access to AGS collection data, creating opportunities for burden sharing with the processing and exploitation of Intelligence, Surveillance, and Reconnaissance (ISR) data.

The AGS program includes both air and ground segments. The air segment consists of five (5) air vehicles based on unique exportable configurations of the United States Air Force Global Hawk air frame, Navy Triton command and control architecture and the U.S. Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar. The U.S. integrated a new Maritime Moving Target and Inverse Synthetic Aperture Radar capability into the MP-RTIP radar for NATO AGS. The ground segment consists of fixed site and transportable/mobile ground stations for air vehicle Command and Control (C2), data exploitation and distribution. Operations and continuing In-Service Support is funded through the NATO Military Commanders' Capability Package within the NATO Security Investment Program (NSIP).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver NATO AGS. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2025 \$0.0M was expended for civilian pay expenses in this program element, and in FY2026 \$0.0M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305238F / NATO AGS					
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		0.865	0.816	0.000	0.000	0.000	
Current President's Budget		0.865	0.816	0.000	0.000	0.000	
Total Adjustments		0.000	0.000	0.000	0.000	0.000	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	0.000				
• Other Adjustments		0.000	0.000	0.000	0.000	0.000	
Change Summary Explanation							
FY27 Reductions were due to:							
Higher AF priorities.							
Total amount in reductions: \$0.832.							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: Design / Development of NATO Alliance Ground Surveillance (AGS)					0.000	0.000	-
Description: U.S. contribution to NATO for AGS development acquisition and initial fielding. Supports configuration changes at a system level and air vehicle exportability modifications.							
FY 2026 Plans: No FY 2026 funding is programmed for this activity.							
FY 2026 to FY 2027 Increase/Decrease Statement: Funds were used to support higher AF priorities.							
Title: Technical Support for NATO Alliance Ground Surveillance (AGS)					0.865	0.816	0.000
Description: Provide engineering and logistics support for NATO AGS deferred capabilities and obsolescence studies.							
FY 2026 Plans:							

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305238F / NATO AGS		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
- Will continue studies, analysis, and support related to mission security and exportability. FY 2027 Plans: - Will continue studies, analysis, and support related to mission security and exportability. FY 2026 to FY 2027 Increase/Decrease Statement: Reduction due to FFRDC reduction (s).			
Accomplishments/Planned Programs Subtotals	0.865	0.816	0.000

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 07 PE 0305220F: RQ-4 UAV	9.516	0.001	8.080	-	8.080	5.200	2.140	-	-	Continuing	Continuing

Remarks

E. Acquisition Strategy

Acquisition of the AGS system was accomplished via a single delivery strategy. The system was delivered via a fixed price direct commercial sale contract between Northrop Grumman Integrated System Sector International, Incorporated (NGISSII) & NATO, which was signed on 20 May 2012. The NATO acquisition program office closed out and liquidated in December 2023.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305238F / NATO AGS				Project (Number/Name) 676001 / NATO AGS					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NATO AGS Technical Support	SS/FFP	Multiple : WPAFB, OH	-	0.865	Dec 2024	0.816	Dec 2025	0.000	Dec 2026	-		0.000	Continuing	Continuing	0.863
Subtotal			-	0.865		0.816		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.865		0.816		0.000		-		0.000	Continuing	Continuing	N/A
Remarks															
Provides engineering and logistics support for NATO AGS through studies, analysis, and PSC (Program Support Cost)															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305238F / NATO AGS					676001 / NATO AGS									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NATO AGS																												
Design and Development - NATO AGS																												
FOC (November 2027)																												
Tech Support - NATO AGS																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305238F / NATO AGS	Project (Number/Name) 676001 / NATO AGS	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NATO AGS				
Design and Development - NATO AGS	1	2025	1	2027
FOC (November 2027)	1	2027	1	2027
Tech Support - NATO AGS	1	2025	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	33.432	32.578	312.037	0.000	312.037	33.780	34.651	35.571	36.292	Continuing	Continuing
674826: <i>Common Imagery Ground / Surface Systems</i>	0.000	4.909	4.671	3.729	0.000	3.729	4.065	4.365	4.715	4.811	Continuing	Continuing
675265: <i>Common Imagery Processor (CIP)</i>	0.000	28.523	27.907	28.678	0.000	28.678	29.715	30.286	30.856	31.481	Continuing	Continuing
675266: <i>ISR Transport</i>	0.000	0.000	0.000	279.630	0.000	279.630	0.000	0.000	0.000	0.000	0.000	279.630

Note

This program, BA 7, PE 0305240F, project 675266, ISR Transport, is a new start.

A. Mission Description and Budget Item Justification

Intelligence, Surveillance and Reconnaissance (ISR) Transport and Processing (ITP) is a DoD program for global ISR bi-directional data transport and processing. Detailed information remains classified and will be provided on a need-to-know basis.

The ITP program provides global air and space Intelligence, Surveillance and Reconnaissance (ISR) data transport/relay, imagery processing, data conditioning, and AI/ML augmentation. It serves multiple national, theater, and tactical customers with processing and transport of raw/unexploited ISR data in support of operational and intelligence functions. This PE funds the engineering development, acquisition, modernization and migration of: Communications Infrastructure, Virtual Imagery Processing Capability (VIP-C) and High-Performance Compute (HPC), and Machine Assisted GEOINT Exploitation (MAGE) tools.

The Enterprise Interoperability project provides support to OUSD(I&S), C3BM, and AF DCGS interoperability efforts. This includes integration with new and emerging air and space-based ISR sensors.

The Imagery Processing effort develops the Virtual Imagery Processing Capability (VIP-C) and the High-Performance Compute (HPC) Environment within the Air Force ITP architecture. The VIP-C and HPC environment provides mission critical image processing capabilities to include raw data ingest, initial image formation, and data conditioning/normalization to optimize ISR data for exploitation by humans and machines, value-added algorithmic processing, and configurable analytic workflows. It also covers Machine Assisted Geospatial Intelligence (GEOINT) Exploitation (MAGE), which is a comprehensive program to employ advanced technologies, automation, and augmentation at speed and scale to close the gap between image collection and actionable intelligence. Current efforts are focused on enabling support for new and emerging air and space-based sensors and data types and developing/scaling core MAGE components.

The ISR Transport effort is an upgrade of the ITP global bi-directional system. Detailed information for this particular effort remains classified and will be provided on a need-to-know basis.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305240F I ISR Transport and Processing				
Efforts within this PE align with USAF investment in the Advanced Battle Management System (ABMS) (0604003F), Tech Transition - Air (0604858F), and Air Force Distributed Common Ground System (AF DCGS) (0305208F) to deliver the Long-Range Fires architecture for the DAF BATTLE NETWORK.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		30.932	32.578	0.000	0.000	0.000
Current President's Budget		33.432	32.578	312.037	0.000	312.037
Total Adjustments		2.500	0.000	312.037	0.000	312.037
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		2.500	0.000	312.037	0.000	312.037
Change Summary Explanation						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing				Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674826: Common Imagery Ground / Surface Systems	0.000	4.909	4.671	3.729	0.000	3.729	4.065	4.365	4.715	4.811	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This project funds the Common Imagery Ground / Surface Systems enterprise support capabilities. This includes support to OUSD(I&S), C3BM, and AF DCGS interoperability efforts. This includes integration with new and emerging air and space-based sensors.												
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F												
Efforts within this PE align with USAF investment in the Advanced Battle Management System (ABMS) (0604003F), Tech Transition - Air (0604858F), and Air Force Distributed Common Ground System (AF DCGS) (0305208F) to deliver the Long-Range Fires architecture for the DAF BATTLE NETWORK.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Enterprise Interoperability									4.909	4.671	3.729	
Description: Provide support to OUSD(I&S), C3BM, and AF DCGS Interoperability Enterprise efforts.												
FY 2026 Plans:												
- Continue to support OUSD(I&S), C3BM, and AF DCGS Interoperability Enterprise efforts.												
- Continue integrating new and emerging air and space-based sensors by incorporating sensor data into the VIP-C processing and supporting communications architecture in support of joint operations.												
FY 2027 Plans:												
- Will continue to support OUSD(I&S), C3BM, and AF DCGS Interoperability Enterprise efforts.												
- Will continue integrating new and emerging air and space-based sensors by incorporating sensor data into the VIP-C processing and supporting communications architecture in support of joint operations.												
FY 2026 to FY 2027 Increase/Decrease Statement:												
Funding decrease due to FFRDC and Service Contract Reductions.												
Accomplishments/Planned Programs Subtotals									4.909	4.671	3.729	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing	Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy The Air Force uses an incremental acquisition approach with development cycles and sprints to develop, field, and upgrade the system and structure contracts for the improved capabilities through full and open competition to the maximum extent possible.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing						Project (Number/Name) 674826 / Common Imagery Ground / Surface Systems			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Enterprise Interoperability efforts	C/Various	Various : Various	-	4.909	Apr 2025	4.671	Apr 2026	3.729	Apr 2027	-		3.729	Continuing	Continuing	-
Subtotal			-	4.909		4.671		3.729		-		3.729	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.909		4.671		3.729		-		3.729	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0305240F / ISR Transport and Processing					674826 / Common Imagery Ground / Surface Systems			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Enterprise Interoperability																												
Support to OUSD(I&S), C3BM, and AF DCGS Enterprise and Integration of New and Emerging Air and Space-Based Sensors																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Enterprise Interoperability</i>				
Support to OUSD(I&S), C3BM, and AF DCGS Enterprise and Integration of New and Emerging Air and Space-Based Sensors	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>				Project (Number/Name) <i>675265 / Common Imagery Processor (CIP)</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
<i>675265: Common Imagery Processor (CIP)</i>	0.000	28.523	27.907	28.678	0.000	28.678	29.715	30.286	30.856	31.481	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Imagery Processing effort develops the Virtual Imagery Processing Capability (VIP-C) within the Air Force ISR Transport and Processing (Formerly DCGS) architecture. Current efforts include further developing the virtual software capability to enhance processing performance while decreasing latency across the enterprise and testing, development, and demonstrations integrating updated and new/emerging air and space based sensors into the DAF Battle Network. In addition, the project involves improving the Machine Assisted Geospatial Intelligence (GEOINT) Exploitation (MAGE) capability to employ advanced technologies, automation, and augmentation at speed and scale to close the gap between image collection and actionable intelligence.

Efforts within this PE align with USAF investment in the Advanced Battle Management System (ABMS) (0604003F), Tech Transition - Air (0604858F), and Air Force Distributed Common Ground System (AF DCGS) (0305208F) to deliver the Long-Range Fires architecture for the DAF BATTLE NETWORK.

Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Imagery Processor	28.523	27.907	28.678
Description: Continue developing VIP-C to keep pace with growing sensor baseline and enhance imagery data quality.			
FY 2026 Plans:			
- Continue to upgrade VIP-C to enable better geo-coordinate accuracy, facilitate automated intelligence discovery, integrate new algorithms, and reduce processing latency. This includes developing and integrating ISR data into a Cloud storefront infrastructure enhancing user interface and facilitating accelerated system security acceptance.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>	Project (Number/Name) 675265 / <i>Common Imagery Processor (CIP)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
- Continue to refine and scale foundational components and begin developing more advanced technologies (e.g. automated site monitoring, explainable AI/ML, and adversarial attack detection/mitigation). <i>FY 2027 Plans:</i> - Will continue to upgrade VIP-C to enable better geo-coordinate accuracy, facilitate automated intelligence discovery, integrate new algorithms, and reduce processing latency. This includes developing and integrating ISR data into a Cloud storefront infrastructure enhancing user interface and facilitating accelerated system security acceptance. - Will continue to refine and scale foundational components and begin developing more advanced technologies (e.g. automated site monitoring, explainable AI/ML, and adversarial attack detection/mitigation). <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> N/A			
Accomplishments/Planned Programs Subtotals	28.523	27.907	28.678

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 04 Line Item 846080: <i>DCGS-AF</i>	34.840	38.312	231.931	-	231.931	375.000	750.000	40.798	41.614	Continuing	Continuing

Remarks

D. Acquisition Strategy

For imagery processing capabilities, the Air Force uses an incremental acquisition approach with development cycles and spirals to develop, field, and upgrade the system. Contracts are structured for full and open competition to the maximum extent possible. Additionally, strategic partnerships and agreements with National Laboratories and other agencies are utilized.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026				
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing						Project (Number/Name) 675265 / Common Imagery Processor (CIP)				
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Imagery Processing Software Development	Various	Various : Various	-	26.090	Jan 2025	25.448	Dec 2025	26.078	Jan 2027	-		26.078	Continuing	Continuing	-	
Subtotal			-	26.090		25.448		26.078		-		26.078	Continuing	Continuing	N/A	
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Direct Cite Authority Civilian Pay	Various	Various : Various	-	1.073	Oct 2024	1.509	Oct 2025	1.600	Oct 2026	-		1.600	Continuing	Continuing	-	
Subtotal			-	1.073		1.509		1.600		-		1.600	Continuing	Continuing	N/A	
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Management Services	Various	Various : Various	-	1.360	Jan 2025	0.950	Jan 2026	1.000	Jan 2027	-		1.000	Continuing	Continuing	-	
Subtotal			-	1.360		0.950		1.000		-		1.000	Continuing	Continuing	N/A	
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	28.523		27.907		28.678		-		28.678	Continuing	Continuing	N/A	
Remarks																

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing			Project (Number/Name) 675265 / Common Imagery Processor (CIP)

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
VIP-C/ MAGE																												
Machine Assisted GEOINT Exploitation Capability Development																												
SW Release 3x consists of 2-3 fieldings throughout FY 2024																												
SW Release 3x consists of 2-3 fieldings throughout FY 2025																												
SW Release 3x consists of 2-3 fieldings throughout FY 2026																												
SW release 3x consists of 2-3 fieldings throughout FY 2027																												
SW release 3x consists of 2-3 fieldings throughout FY 2028																												
SW release Classified effort consists of 2-3 fieldings throughout FY 2029																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>	Project (Number/Name) 675265 / <i>Common Imagery Processor (CIP)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
VIP-C/ MAGE				
Machine Assisted GEOINT Exploitation Capability Development	1	2025	4	2031
SW Release 3x consists of 2-3 fieldings throughout FY 2024	1	2025	1	2026
SW Release 3x consists of 2-3 fieldings throughout FY 2025	1	2026	1	2027
SW Release 3x consists of 2-3 fieldings throughout FY 2026	1	2027	1	2028
SW release 3x consists of 2-3 fieldings throughout FY 2027	1	2028	1	2029
SW release 3x consists of 2-3 fieldings throughout FY 2028	1	2029	1	2030
SW release Classified effort consists of 2-3 fieldings throughout FY 2029	1	2030	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>				Project (Number/Name) 675266 / <i>ISR Transport</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675266: <i>ISR Transport</i>	0.000	0.000	0.000	279.630	0.000	279.630	0.000	0.000	0.000	0.000	0.000	279.630
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note This program, BA 7, PE 0305240F, project 675266, ISR Transport, is a new start.												
A. Mission Description and Budget Item Justification The ISR Transport effort is an upgrade of the ITP global bi-directional system. Detailed information for this particular effort remains classified and will be provided on a need-to-know basis. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: ISR Transport									-	0.000	279.630	
Description: The ISR Transport effort will upgrade the ITP global bi-directional system. Detailed information remains classified and will be provided on a need-to-know basis.												
FY 2026 Plans: N/A												
FY 2027 Plans: RDT&E for Next Gen RF												
FY 2026 to FY 2027 Increase/Decrease Statement: New Start: Funding for this effort starts in FY 2027												
Accomplishments/Planned Programs Subtotals									-	0.000	279.630	
C. Other Program Funding Summary (\$ in Millions) N/A												
Remarks												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / <i>ISR Transport and Processing</i>	Project (Number/Name) 675266 / <i>ISR Transport</i>

D. Acquisition Strategy

The Acquisition Strategy for ISR Transport remains classified and will be provided on a need-to-know basis.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing						Project (Number/Name) 675266 / ISR Transport			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified Effort	Various	Not specified. : TBD	-	-		-		279.630	Nov 2026	-		279.630	Continuing	Continuing	-
Subtotal			-	-		-		279.630		-		279.630	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		279.630		-		279.630	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing		Project (Number/Name) 675266 / ISR Transport	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Classified Effort																												
Classified Effort																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305240F / ISR Transport and Processing	Project (Number/Name) 675266 / ISR Transport

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Classified Effort				
Classified Effort	1	2026	4	2026

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305249F I AF JWICS Enterprise							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.445	13.404	19.324	0.000	19.324	20.311	21.268	23.992	24.484	Continuing	Continuing
675307: AF JWICS Enterprise	0.000	9.445	13.404	19.324	0.000	19.324	20.311	21.268	23.992	24.484	Continuing	Continuing

A. Mission Description and Budget Item Justification

The AF JWICS Enterprise PE provides funds for the modernization, development, procurement, and sustainment of the Air Forces SCI enterprise.

ICAM - Identity, credentialing and Access Management (ICAM) includes the foundational identity elements that manage users, credentials, attributes, and the access risk based upon the sensitivity of the resources being protected. ICAM is foundational to Zero Trust and is not a single process or technology, but is a complex set of systems and services that operate under various policies and organizations.

IC-ITE - IC-ITE mission is enabling greater integration, information sharing, and safeguarding with the Intelligence Community (IC) by adopting IC standards, data, and technology frameworks, and using systems of common concerns for unmatched decision advantage.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	9.445	21.097	0.000	0.000	0.000
Current President's Budget	9.445	13.404	19.324	0.000	19.324
Total Adjustments	0.000	-7.693	19.324	0.000	19.324
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	-7.693			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	19.324	0.000	19.324

Change Summary Explanation

\$7.693 million of funds were erroneously transferred from 0207431F to 0305249F when 0305249F was created. The funds are JTIM related and not related to the AF JWICS Enterprise. Referenced were moved back to 0207431F at the Air Force's request as part of a technical adjustment.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305249F / AF JWICS Enterprise				Project (Number/Name) 675307 / AF JWICS Enterprise			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675307: AF JWICS Enterprise	0.000	9.445	13.404	19.324	0.000	19.324	20.311	21.268	23.992	24.484	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AF JWICS Enterprise PE provides funds for the modernization, development, procurement, and sustainment of the Air Force SCI enterprise.

ICAM - Identity, Credentialing and Access Management (ICAM) includes the foundational identity elements that manage users, credentials, attributes, and the access risk based upon the sensitivity of the resources being protected. ICAM is foundational to Zero Trust and is not a single process or technology but a complex set of systems and services that operate under various policies and organizations.

IC-ITE - IC-ITE mission is enabling greater integration, information sharing, and safeguarding with the Intelligence Community (IC) by adopting IC standards, data, and technology frameworks, and using systems of common concern for unmatched decision advantage.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: JTIM	6.968	0.000	-
Description: JTIM provides funding for the development of Joint Targeting Toolkit-Capabilities Package (JTTCP) and WARPATh tools. JTT is the current capability providing the joint targeting community Intermediate Target Development (ITD), Advanced Target Development (ATD), Target List Management (TLM), and Target Folder Development capabilities. It also supports premise installation on coalition networks and Foreign Military Sales (FMS). The JTT program provides the current (legacy) functions until the integrated JTIM capabilities are fielded. Target List Management and Enterprise Workflow were shifted from the JTT program to WARPATh to keep pace with the JTIM Integrated Master Schedule (IMS). Funding for WARPATh comes from the original JTT budget, which is managed at ACC. Full funding will allow both programs to field capabilities in FY25, then in FY26 they will merge into one enterprise program providing capabilities to the Joint Targeting Community. FY 2026 Plans: This money has been adjusted back to the Combat Air Intelligence Systems (CAIS) program element (PE). It was erroneously programmed into 0305249F when the PE was created. Further information on the JTIM effort can be found under the 0207431F R-Doc. FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305249F / AF JWICS Enterprise		Project (Number/Name) 675307 / AF JWICS Enterprise	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
This money has been adjusted back to the Combat Air Intelligence Systems (CAIS) program element (PE). It was erroneously programmed into 0305249F when the PE was created. Further information on the JTIM effort can be found under the 0207431F R-Doc.					
Title: ACC IC-ITE Development Description: IC-ITE provides funding for expert contract support in the development and delivery of critical data capabilities that enable seamless interoperability across operational units. Leads the design, development, testing, and implementation of cutting-edge technology solutions tailored to support mission effectiveness. It drives the creation and integration of new processes in data engineering, ontologies, semantics, taxonomies, and data architecture to support Model-Based Systems Engineering (MBSE). These efforts ensure data interoperability across key mission domains—Intelligence, Surveillance, and Reconnaissance (ISR); Command and Control (C2); and Fires—as well as with joint and allied DoW mission partners. It also spearheads the establishment of a robust Data Governance framework to treat data as a vital enterprise asset. This includes delivering agile Automation, Augmentation, and Artificial Intelligence (AAA) capabilities to airmen, particularly those underserved by traditional System Program Offices (SPOs), in alignment with ACC's warfighting and mission-enabling priorities. FY 2026 Plans: Continues with funding research, development and delivery of critical data capabilities as well as drives the creation and integration of new processes in Data Engineering, Ontologies, Semantics, Taxonomies, and Data Architecture to support Model Based Systems Engineering (MBSE). FY 2027 Plans: Continues with funding research, development and delivery of critical data capabilities as well as drives the creation and integration of new processes in Data Engineering, Ontologies, Semantics, Taxonomies, and Data Architecture to support Model Based Systems Engineering (MBSE). FY 2026 to FY 2027 Increase/Decrease Statement: Minor adjustments due to inflation.			2.477	1.939	2.172
Title: NASIC Funds Description: Identity, Credentialing and Access Management (ICAM) includes the foundational identity elements that manage users, credentials, attributes, and the access risk based upon the sensitivity of the resources being protected. ICAM is foundational to Zero Trust and is not a single process or technology but a complex set of systems and services that operate under various policies and organizations. FY 2026 Plans: Development of the ICAM solution with a focus on adding authorization drivers for denied, disrupted, intermittent, and limited impact environment and special access program networks, drivers for JADE (another authA capability), advancing the resolution			0.000	11.465	17.152

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305249F / AF JWICS Enterprise	Project (Number/Name) 675307 / AF JWICS Enterprise	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
service, performance tuning, outstanding feature requests taken from the product backlog, etc. Work to add observability to the distribution so organizations and the devsecops team can see what is happening and can perform forensic analysis. Also working to determine how to leverage authentication and authorization time series data to provide insight and support for behavioral authentication and authorization decisions. This will include the addition of a machine-learning framework to provide inference into authA and authZ decision effectiveness. Installation and configuration of the ICAM suite across DAF Cloudworks (Cw) NIPR, SIPR and JWICS environments plus operational enablement of the DAF Cw team. Building out the automated installation and configuration scripts (ansible, terraform, etc). Building out broader support for new version releases, patch development and application, etc. Building out enablement materials, working with development teams to show them how to integrate ICAM capability into their mission solutions. <i>FY 2027 Plans:</i> Development of the ICAM solution with a focus on adding authorization drivers for denied, disrupted, intermittent, and limited impact environment and special access program networks, drivers for JADE (another authA capability), advancing the resolution service, performance tuning, outstanding feature requests taken from the product backlog, etc. Work to add observability to the distribution so organizations and the devsecops team can see what is happening and can perform forensic analysis. Also working to determine how to leverage authentication and authorization time series data to provide insight and support for behavioral authentication and authorization decisions. This will include the addition of a machine-learning framework to provide inference into authA and authZ decision effectiveness. Installation and configuration of the ICAM suite across DAF Cloudworks (Cw) NIPR, SIPR and JWICS environments plus operational enablement of the DAF Cw team. Building out the automated installation and configuration scripts (ansible, terraform, etc). Building out broader support for new version releases, patch development and application, etc. Building out enablement materials, working with development teams to show them how to integrate ICAM capability into their mission solutions. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The increase reason is CUI.			
Accomplishments/Planned Programs Subtotals		9.445	13.404
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Contract type and strategy will be assessed each year. Currently use a mix of contracts to include cost plus fixed fee, cost plus award fee, and fixed price.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305249F / AF JWICS Enterprise				Project (Number/Name) 675307 / AF JWICS Enterprise					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ICAM	C/CPFF	NASIC : Wright-Patterson AFB, OH	-	0.000		11.465	Apr 2026	17.152	May 2027	-		17.152	Continuing	Continuing	-
Subtotal			-	0.000		11.465		17.152		-		17.152	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JTIM	C/CPAF	ACC : TBD	-	7.708		-		-		-		-	Continuing	Continuing	-
IC-ITE	C/FFP	ACC : LAFB, VA	-	1.737		1.939	Apr 2026	2.172	Apr 2027	-		2.172	Continuing	Continuing	-
Subtotal			-	9.445		1.939		2.172		-		2.172	Continuing	Continuing	N/A
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	9.445		13.404		19.324		-		19.324	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0305249F / AF JWICS Enterprise

Project (Number/Name)
675307 / AF JWICS Enterprise

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ICAM																												
Capability Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305249F / AF JWICS Enterprise	Project (Number/Name) 675307 / AF JWICS Enterprise

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ICAM				
Capability Development	3	2026	4	2030

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305600F <i>I International Intelligence Technology and Architectures</i>

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	17.784	18.946	62.000	0.000	62.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675898: <i>International Intelligence Technology and Arc</i>	0.000	17.784	18.946	62.000	0.000	62.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

International Intelligence Technology and Architectures (IITA) investment in RDT&E ceases support in development to oversee, manage, and provide the United States (US) component of the multi-national Battlefield Information Collection and Exploitation Systems (BICES) with a collaborative environment and intelligence sharing enterprise required for processing and disseminating critical intelligence information between and among US, North Atlantic Treaty Organization (NATO), allied and coalition forces.

Resources in FY27 support classified activities and are provided on a higher network.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	17.784	18.946	0.000	0.000	0.000
Current President's Budget	17.784	18.946	62.000	0.000	62.000
Total Adjustments	0.000	0.000	62.000	0.000	62.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	62.000	0.000	62.000

C. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: International Intelligence Technology and Architectures	17.784	18.946	62.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0305600F I International Intelligence Technology and Architectures							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Description: Research and development in emerging and maturing technologies and capabilities for modernizing and transforming US BICES, US BICES-X and the TNE for improved agility, scalability, access, cybersecurity, and data and information sharing tools and infrastructure. FY 2026 Plans: Continue to Develop US BICES-X capabilities including further integration of TNE into the MPE, and development and testing of coalition ISR capabilities. These efforts will enable the modernization and transformation of the US BICES/BICES-X worldwide enterprise to enable instantiation or interconnection of any partner network to support any operation. FY 2027 Plans: International Intelligence Technology and Architectures (IITA) investment in RDT&E ceases support in development to oversee, manage, and provide the United States (US) component of the multi-national Battlefield Information Collection and Exploitation Systems (BICES) with a collaborative environment and intelligence sharing enterprise required for processing and disseminating critical intelligence information between and among US, North Atlantic Treaty Organization (NATO), allied and coalition forces. Resources in FY27 support classified activities and are provided on a higher network. FY 2026 to FY 2027 Increase/Decrease Statement: Full decrease of investment in RDT&E ceasing support in development to oversee, manage, and provide the United States (US) component of the multi-national Battlefield Information Collection and Exploitation Systems (BICES) with a collaborative environment and intelligence sharing enterprise required for processing and disseminating critical intelligence information between and among US, North Atlantic Treaty Organization (NATO), allied and coalition forces. + \$62M resources to support classified activities provided on a higher network.											
Accomplishments/Planned Programs Subtotals							17.784	18.946	62.000		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• O&M BA 01 PE 0305600F: International Intelligence Technology and Architecture	135.558	89.571	89.521	-	89.521	86.341	87.641	92.951	94.810	Continuing	Continuing

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305600F I International Intelligence Technology and Architectures						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line item 832050: International Intelligence Technology and Architecture	5.616	5.833	6.016	-	6.016	6.124	6.226	6.344	6.471	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
(U) Resources in FY27 support classified activities and are provided on a higher network.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305600F / International Intelligence Technology and Architectures						Project (Number/Name) 675898 / International Intelligence Technology and Arc			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TNE Development	Various	AFRL, GDMS AZ, TX : Rome, NY	-	17.784	Feb 2025	18.946	Feb 2026	0.000	Feb 2027	-		0.000	Continuing	Continuing	-
STRATCOM Classified Submission	Various	Not specified. : TBD	-	-		-		62.000		-		62.000	Continuing	Continuing	-
Subtotal			-	17.784		18.946		62.000		-		62.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	17.784		18.946		62.000		-		62.000	Continuing	Continuing	N/A
Remarks N/A															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305600F / International Intelligence Technology and Architectures								Project (Number/Name) 675898 / International Intelligence Technology and Arc			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305600F / International Intelligence Technology and Architectures	Project (Number/Name) 675898 / International Intelligence Technology and Arc	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Trusted Network Environment Software Version 5.0 features cloud-based implementation and virtualized connection methods, and updates to FMV</i>				
TNE	4	2025	4	2026
<i>STRATCOM Classified Submission</i>				
SCS	1	2027	4	2027

Note
GAL - Global Address List
OS - Operating System
VDI - Virtual Desktop Infrastructure
VoIP - Voice of IP
UX - User Experience
FMV - Full Motion Video
HD/VTC - High Definition / Video Teleconferencing

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305836F I C2IMERA							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	13.690	11.393	0.000	11.393	11.620	11.840	12.065	12.309	Continuing	Continuing
675219: C2IMERA	0.000	0.000	13.690	11.393	0.000	11.393	11.620	11.840	12.065	12.309	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the development of the Command and Control, Incident Management, Emergency Response Application (C2IMERA), a C2 system that enables commanders and staff to generate and present ready forces to combatant commanders at tactical, operational, and strategic levels. C2IMERA funds provide enhanced installation C2 that improves decision speed, quality, and lethality by incorporating direct user inputs, connecting people to information, automating daily operations, and integrating data from myriad systems into real-time, interactive Common Operating Picture (COP) with visualized dashboards. C2IMERA enables mission-ready units of action to support Agile Combat Employment by effectively linking combat wings and base commands, enabling bases to successfully operate during competition, crisis, and conflict. C2IMERA synchronizes information across large scale exercises and operations through the implementation of a COP and tool that streamlines daily operations and reporting. C2IMERA aggregates the theater-wide critical information into strategic and operational pictures that enable Higher Headquarters (HHQ) to make real-time force decisions across the competition continuum. C2IMERA accelerates decision makers' access to C2 information by providing automated updates through the COP/email and alleviating the need for unnecessary briefings, meetings, and radio communication(s).

The C2IMERA operational concept has three capability areas:

- C2 collaboration across the Wing, enabling the base to operate and fight
- Wing Situational Awareness, enabling the wing to integrate across operations
- Wing Collaboration/reporting to HHQ (i.e., Air Operations Center (AOC), the Air Force Forces (AFFOR), Command Center etc.), enabling high-quality operational and strategic decision making

Requirements also include supporting base operations, mission management and monitoring, HHQ Information Exchange Requirements (IERs), Emergency Action Messaging, Situation Report (SITREP) automation, and other key enablers supporting the operational concept.

Efforts within this program align with and depend upon USAF investment in Mission Planning Systems (PE 0208006F), Air Operations Center (PE 0207410F), All Domain Common Platform (0303248F), Advanced Battle Management System (ABMS) (0604003F) and Flight Ops (PE 0207461F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities necessary for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305836F I C2IMERA					
FY 2027 funds will continue to support Agile development and operations enabling the delivery of new advanced features to C2IMERA following the FY 2026 monolithic-to-microservice cloud re-architecture. FY 2027 funds will integrate C2IMERA across the DAF Battle Network, expand data access through system interoperability and new systems integrations, automate data inputs and workflows, and improve coalition warfighting capabilities through expanded information availability.							
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898”.							
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.							
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.							
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		0.000	13.867	0.000	0.000	0.000	
Current President's Budget		0.000	13.690	11.393	0.000	11.393	
Total Adjustments		0.000	-0.177	11.393	0.000	11.393	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	-0.177				
• Other Adjustments		0.000	0.000	11.393	0.000	11.393	
Change Summary Explanation							
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: Command and Control, Incident Management, Emergency Response Application (C2IMERA)					0.000	13.690	11.393

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305836F / C2IMERA		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: C2IMERA will improve Installation command and control by connecting people, integrating data, and automating daily operations. The aggregation of theater data and activities enhances Operational Command and Control (C2) as well as increases decision speed and operational advantage. This is accomplished by incorporating direct user feedback, connecting people, automating daily operations, and integrating data from myriad systems. C2IMERA receives input from users and system interfaces, and the data is displayed on the real-time, interactive common operational picture (COP). C2IMERA provides automated updates via the COP, as well as notifications via emails and alerts, alleviating the need for briefings, meetings, and radio communication(s) FY 2026 Plans: Activities include, but are not limited to the following: - Integrate across DAF Battle Network to distribute Friendly Order of Battle (FrOB) information. - Integrate with base-level sensor systems enabling real-time situational awareness. - Develop strategic-level views and workspaces supporting real-time decision making for global crisis action and operations. - Shift to a Government-owned development pipeline fulfilling authorization to operate (ATO) conditions. - Continue to implement and manage cloud infrastructure and continuous integration and delivery (CI/CD) pipelines enabling existing 99.9% operational availability. - Continue to actively monitor for potential security risks or vulnerabilities and mitigating any such risks identified. - Further expand data sets for cross domain Non-Secure Internet Protocol Router (NIPR) to Secure Internet Protocol Router (SIPR) data transfer. - Operationalize Denied, Disrupted, Intermittent, and Limited DDIL bandwidth capabilities in support of Combined Joint All Domain command and Control (CJADC2) and ACE operations. - Develop specific (C2IMERA) experiences for certain coalition partners to access on their network. - Integrate with authoritative data sources to enhance interoperability and increase workflow automation. - Enhance User Interface and User Experience (UI/UX) functionality and features for improved usability across a fully federated global application. - Lead and manage the program through daily interaction with the contractor and key stakeholders. - Identify, monitor, mitigate, and report program risks associated with development, testing, deployment, and operations. FY 2027 Plans: Activities include, but are not limited to the following: - Will integrate across DAF Battle Network to distribute FrOB information. - Will integrate with base-level sensor systems enabling real-time situational awareness. - Will develop strategic-level views and workspaces supporting real-time decision making for global crisis action and operations. - Will continue to implement and manage CI/CD pipelines enabling existing 99.9% operational availability.				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305836F / C2IMERA		

C. Accomplishments/Planned Programs (\$ in Millions) - Will continue to actively monitor for potential security risks or vulnerabilities and mitigating any such risks identified. - Will further expand data sets for cross domain NIPR to SIPR data transfer. - Will operationalize Denied, Disrupted, Intermittent, and Limited bandwidth capabilities in support of combined CJADC2 and ACE operations. - Will develop specific Command and Control, Incident Management, Emergency Response Application (C2IMERA) experiences for certain coalition partners to access their network. - Will integrate with authoritative data sources to enhance interoperability and increase workflow automation. - Will enhance user interface and experience (UI/UX) functionality and features for improved usability across a fully federated global application. - Will lead and manage the program through daily interaction with the contractor and key stakeholders. - Will identify, monitor, mitigate, and report program risks associated with development, testing, deployment, and operations. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding decreased for C2IMERA from FY 2026 to FY 2027 to support higher DoW funding priorities.	FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals	0.000	13.690	11.393

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 07 0305015F: C2 Air Operations Suite - C2 Info Services	13.524	0.000	-	-	-	-	-	-	-	0.000	13.524
Remarks											
E. Acquisition Strategy Using Software Acquisition Pathway (SWP), the acquisition strategy builds agile software engineering methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. The desired end state is continuous delivery of software. This program is dependent on support from the All Domain Common Platform (ADCP). Program management for the C2IMERA program is under direction of Portfolio Acquisition Executive (PAE) Command, Control, Communication & Battle Management C3BM, located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for the C2IMERA program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305836F / C2IMERA				Project (Number/Name) 675219 / C2IMERA					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Development	C/Various	Leidos : Reston, VA	-	0.000	Oct 2024	11.069	Oct 2025	9.473	Oct 2026	-		9.473	Continuing	Continuing	-
Subtotal			-	0.000		11.069		9.473		-		9.473	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Test Support	PO	96th Test Wing : Eglin, FL	-	0.000	Jan 2025	0.174	Jan 2026	0.177	Jan 2027	-		0.177	Continuing	Continuing	-
Subtotal			-	0.000		0.174		0.177		-		0.177	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2IMERA Program Support	C/Various	Not specified. : Hanscom AFB, MA	-	0.000	Jan 2025	1.751	Jan 2026	1.033	Jan 2027	-		1.033	Continuing	Continuing	-
C2IMERA Systems Engineer	SS/ Various	Not specified. : Hanscom AFB, MA	-	0.000	Oct 2024	0.696	Oct 2025	0.710	Oct 2026	-		0.710	Continuing	Continuing	-
Subtotal			-	0.000		2.447		1.743		-		1.743	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000		13.690		11.393		-		11.393	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305836F / C2IMERA			Project (Number/Name) 675219 / C2IMERA				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Software Development																												
C2IMERA Software development																												
Test																												
C2IMERA Test																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305836F / C2IMERA	Project (Number/Name) 675219 / C2IMERA

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Software Development				
C2IMERA Software development	1	2026	4	2031
Test				
C2IMERA Test	1	2026	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305903F I Mobile Command Center Systems (MC2S)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	3.961	2.013	0.000	2.013	2.012	2.011	2.012	2.012	0.000	14.021
673247: Mobile Command Center Systems (MC2S)	0.000	0.000	3.961	2.013	0.000	2.013	2.012	2.011	2.012	2.012	0.000	14.021
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

MC2S is a mobile platform that provides Command, Control, Communications, Computers and Intelligence (C4I) services to USNORTHCOM in support of its Defense Support to Civil Authorities (DSCA) mission. Additional details can be provided at a higher classification.

Mobile Command Control Systems (MC2S) - funding enables the development of solutions for the emerging requirements necessary for continuous operations, maintenance and sustainment.

Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305903F I Mobile Command Center Systems (MC2S)					
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		0.000	3.988	0.000	0.000	0.000	
Current President's Budget		0.000	3.961	2.013	0.000	2.013	
Total Adjustments		0.000	-0.027	2.013	0.000	2.013	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	-0.027				
• Other Adjustments		0.000	0.000	2.013	0.000	2.013	
Change Summary Explanation							
FY26: SBIR/STTR Reduction (-0.027M)							
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: Mobile Command Center Systems (MC2S)					0.000	3.961	2.013
Description: MC2S will conduct a CAPE directed MC2S future study as a follow on to the NC3 Trade Space study in FY26. In FY27, MC2S will conduct 1-2 program development studies addressing two program 1067s and a high COCOM priority. Conduct studies on zero-power loss and automated start-up. The studies will drive a re-architecture of the platform requiring future development							
FY 2026 Plans: MC2S will conduct a CAPE directed future study as a follow on to the NC3 Trade Space study.							
FY 2027 Plans: MC2S will conduct 1-2 program development studies addressing two program 1067s and a high COCOM priority. Conduct studies on zero-power loss and automated start-up. The studies will drive a re-architecture of the platform requiring future development.							
FY 2026 to FY 2027 Increase/Decrease Statement: Decrease funding from FY2026 to FY2027 due to one time 3600 investment MC2S futures study.							
Accomplishments/Planned Programs Subtotals					0.000	3.961	2.013

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305903F I Mobile Command Center Systems (MC2S)						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 833160: Cheyenne Mountain Complex	8.897	22.021	7.380	-	7.380	7.581	7.766	7.592	8.151	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
The acquisition strategy will re-architect battle management and communication capabilities leveraging agile software/hardware engineering solutions and modification of existing capabilities to standardize weapons system. Additional details can be provided at a higher classification.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305903F / Mobile Command Center Systems (MC2S)						Project (Number/Name) 673247 / Mobile Command Center Systems (MC2S)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MC2S Futures Study	C/TBD	TBD : TBD	-	-		3.961	Apr 2026	-		-		-	Continuing	Continuing	-
Zero Power Loss	C/CPAF	Not specified. : TBD	-	-		-		1.013	Nov 2026	-		1.013	Continuing	Continuing	-
Automated Startup	C/CPAF	Not specified. : TBD	-	-		-		1.000	Dec 2026	-		1.000	Continuing	Continuing	-
Subtotal			-	-		3.961		2.013		-		2.013	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		3.961		2.013		-		2.013	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7						PE 0305903F / Mobile Command Center Systems (MC2S)						673247 / Mobile Command Center Systems (MC2S)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MC2S Futures Study																												
Development Studies																												
Zero Power Loss																												
Study and Prototype																												
Automated Startup																												
Study and Prototype																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305903F / Mobile Command Center Systems (MC2S)	Project (Number/Name) 673247 / Mobile Command Center Systems (MC2S)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MC2S Futures Study				
Development Studies	1	2026	1	2027
Zero Power Loss				
Study and Prototype	1	2027	1	2028
Automated Startup				
Study and Prototype	1	2027	1	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305984F I Personnel Recovery Command & Ctrl (PRC2)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.272	2.851	1.783	0.000	1.783	1.846	1.881	1.919	1.958	Continuing	Continuing
675221: Personnel Recovery Command and Control (PRC2)	0.000	3.272	2.851	1.783	0.000	1.783	1.846	1.881	1.919	1.958	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the Personnel Recovery Command and Control (PRC2) program, which develops and delivers tools and services for planning, collaborating and managing search and rescue efforts, as well as disseminating related information to all personnel recovery (PR) mission coordinators across the PR network. PRC2 provides an adaptive and networked system, delivering timely situational awareness information supporting personnel accountability and recovery mission management worldwide. PRC2 delivers a globally accessible, collaborative, interoperable and integrated set of capabilities to prevent, prepare for and respond to joint/coalition military personnel recovery activities, and civilian rescue missions. The Joint Personnel Recovery (JPR) Initial Capability Document (ICD) (2012) articulates capabilities needed for PRC2. Personnel Recover Mission Manager (PRMM) 3.1 continues to develop using Agile Development, Security and Operations (DevSecOps).

The system collects, stores and delivers personnel/identity biometric data, emergency locator beacon registrations, Isolated Personnel (IP) reports, evasion plans of action, incident reports and other information management capabilities. The information is used for predictive, preventive and personnel vulnerability analysis and assessment in support of PR across the Department of War and other national and international entities. Activities also include studies and analysis to support both current program planning and execution, as well as future program planning.

In FY 2027, PRMM 3.1 modifications will continue to use an Agile DevSecOps strategy to develop and test capability in two-week increments (sprints) after fielding Configuration Control Board (CCB) approval from Major Command (MAJCOM). The modifications will improve/validate IP events/alerts and enable case files for Defense Prisoner of War/Missing Personnel Office (DPMO) and Joint Personnel Recovery Agency (JPRA). PRMM 3.1 modifications will reflect the requirements and priorities identified by Air Combat Command (ACC) as the personnel recovery environment evolves to meet the needs of the warfighter and personnel recovery efforts.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2026, 0.000 million was expended for civilian pay expenses in this program element, and in FY 2027 0.000 million is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0305984F I Personnel Recovery Command & Ctrl (PRC2)				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		2.831	2.891	0.000	0.000	0.000
Current President's Budget		3.272	2.851	1.783	0.000	1.783
Total Adjustments		0.441	-0.040	1.783	0.000	1.783
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.104	-0.040			
• Other Adjustments		0.545	0.000	1.783	0.000	1.783
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Personnel Recovery Command & Control (PRC2) - PRMM Development				3.022	2.626	1.633
Description: PRC2 will use an Agile Development, Security, and Operations (DevSecOps) strategy to test and field tools and services for planning and managing search and rescue efforts, and disseminate the related information for personnel recovery.						
FY 2026 Plans:						
PRC2 Personnel Recover Mission Manager (PRMM) development includes the following:						
- Modifications to PRMM 3.1 using Agile DevSecOps in two-week increments						
- Increase automation to shorten reporting timeline for Isolated Person (IP) events and locator device alerts						
- Improve architecture to include code structure, performance, and stability						
- Integrate with National Geospatial-Intelligence Agency's (NGA) Map of the World to improve geospatial tracking						
- Increase interfaces with Combat Survivor Evader Locator (CSEL) Common Distress Reporting Systems (CDRS)						
- Integrate with AOC Modernization initiatives to increase synchronization with Air Tasking Orders						
- Improve human-machine interface based on feedback from the personnel recovery community						
- Increase secure communications paths to recovery coordinators and recovery team						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0305984F <i>I Personnel Recovery Command & Ctrl (PRC2)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Establish pathway to zero trust architecture that secures Personally Identifiable Information (PII) and Personal Health Information (PHI) material - Integrate Friendly Force Tracking for increased situational awareness - Integrate Link 16 for forwarding 15-Line Personal Recovery Reports to vehicles - Develop urgent, mandated Application Program Interface (API) to Maven Target Workbench (Maven) - Integrate PRMM's critical Device Alert and Mission Manager data with Maven - Integrate Weather Wind drift and Sea drift tools to build probabilistic landing zones to aid in search and rescue operations FY 2027 Plans: - Will continue development of modifications to Personnel Recover Mission Manager (PRMM) 3.1 using Agile DevSecOps in two-week increments - Will continue to increase automation to shorten reporting timeline for IP events and locator device alerts - Will continue to integrate with National Geospatial-Intelligence Agency's (NGA) Map of the World to improve geospatial tracking - Will continue to increase interfaces with Combat Survivor Evader Locator (CSEL) Common Distress Reporting Systems (CDRS) - Integrate with AOC Modernization initiatives to increase synchronization with Air Tasking Orders - Will continue to improve architecture to include code structure, performance, and stability - Will increase capabilities to include the Mission Execution Tool and the Personnel Recovery (PR) 15-Line Execution Brief Redesign - Will review opportunities to utilize commercial cloud service providers for cost/schedule/performance to fit better with other PR enterprise tools - Will continue to integrate Personnel Recover Mission Manager's (PRMM's) critical Device Alert and Mission Manager data with Maven through the application programming interfaces (API) - Will integrate Personnel Recover Mission Manager's (PRMM's) Data with Joint Personal Edge Compute Device-Tactical Android (JPECD-TA) through the application programming interfaces (API) FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased from FY 2026 due to funding realignment toward higher priorities.				
Title: PRC2 - PRMM Test and Evaluation Description: Test and Evaluation FY 2026 Plans: Testing and Evaluation of Personnel Recovery Mission Manager (PRMM) 3.1.X.X Versions: - Internal testing through continuous integration and continuous delivery (CI/CD) pipeline to comply with the authorization to operate (ATO)		0.250	0.225	0.150

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>				R-1 Program Element (Number/Name) PE 0305984F <i>I Personnel Recovery Command & Ctrl (PRC2)</i>							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
- Functional Testing - Cyber Security Testing - Developmental Testing FY 2027 Plans: Will continue Testing and Evaluation of Personal Recovery Mission Manager (PRMM) 3.1.X.X Versions: - Internal testing through continuous integration and continuous delivery (CI/CD) pipeline to comply with the Authority to Operate (ATO) - Functional Testing - Cyber Security Testing - Developmental Testing - Operational Testing FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased from FY 2026 due to funding realignment toward higher priorities.											
Accomplishments/Planned Programs Subtotals							3.272	2.851	1.783		
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834520: <i>Theater Battle Mgt C2 System</i>	0.433	0.442	0.457	-	0.457	0.467	0.476	0.484	0.494	Continuing	Continuing
Remarks											
E. Acquisition Strategy PRC2 product support is provided to the program office by the 517th Software Engineering Squadron (517 SWES), Hill AFB, UT, in accordance with a memorandum of agreement and on a fee-for-service basis. This strategy to utilize the 517 SWES for agile product development and sustainment was approved and implemented in FY 2014 by the Air Force Program Executive Officer (PEO). The work done by the 517 SWES includes, but is not limited to, modernization development, sustainment support services, and software maintenance of the PRC2 system. Program management for the PRC2 program is under direction of PEO Electronic Systems, located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hill AFB, UT is the contracting authority for the PRC2 program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305984F / Personnel Recovery Command & Ctrl (PRC2)				Project (Number/Name) 675221 / Personnel Recovery Command and Control (PRC2)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PRC2 - PRMM Agile Software Development	PO	Ogden ALC : Hill AFB, UT	-	3.022	Dec 2024	2.626	Dec 2025	1.633	Dec 2026	-		1.633	0.000	7.281	-
Subtotal			-	3.022		2.626		1.633		-		1.633	0.000	7.281	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PRC2 - PRMM Test and Evaluation	PO	45th Test Squadron : Eglin AFB, FL	-	0.250	Dec 2024	0.225	Dec 2025	0.150	Dec 2026	-		0.150	0.000	0.625	-
Subtotal			-	0.250		0.225		0.150		-		0.150	0.000	0.625	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.272		2.851		1.783		-		1.783	0.000	7.906	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0305984F / Personnel Recovery Command & Ctrl (PRC2)					675221 / Personnel Recovery Command and Control (PRC2)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PRC2 Software Development																												
PRMM Software Development																												
PRC2 Test																												
PRMM Testing																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305984F / Personnel Recovery Com mand & Ctrl (PRC2)	Project (Number/Name) 675221 / Personnel Recovery Command and Control (PRC2)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
PRC2 Software Development				
PRMM Software Development	1	2025	4	2031
PRC2 Test				
PRMM Testing	1	2025	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0307577F I Intelligence Mission Data (IMD)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.658	18.000	3.151	0.000	3.151	3.394	3.504	3.568	3.641	Continuing	Continuing
675306: Analysis Enterprise	0.000	3.658	18.000	3.151	0.000	3.151	3.394	3.504	3.568	3.641	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Product Development

NASIC IMD Development Contract Type : *Contract Type are primarily Time and Material with some Firm Fixed Price.

A. Mission Description and Budget Item Justification

Intelligence Mission Data efforts in BPAC 675306 fund RDT&E to enable Advanced Non-cooperative Target Recognition [NCTR] collection, Operational Reconnaissance and traditional ELINT capabilities, advanced all-source analysis and production of IMD across EWIR, C&P, M&S, and Signatures to inform acquisition efforts, enable combat ID and ensure survivability for air superiority and global strike platforms.

Support to the Acquisition Intelligence Joint Integration Cell (Acq Intel-JIC). The JIC acts as a catalyst in the digital transformation of the Acq Intel Mission area and community, conducting research and development to enable the connection of Technical Intelligence Data to Acquisition Processes by integrating data, software, technology, and approaches to support DoD Acquisition Intelligence and Acquisition programs facilitating DoD system's lethality and survivability.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	3.658	3.000	0.000	0.000	0.000
Current President's Budget	3.658	18.000	3.151	0.000	3.151
Total Adjustments	0.000	15.000	3.151	0.000	3.151
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	15.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	3.151	0.000	3.151

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0307577F I Intelligence Mission Data (IMD)		
Change Summary Explanation Congress directed the increase of FY26 (+15.000M) for Model-Based Systems Engineering of Threat Systems and scenarios. This is in support of the drive to continued development, training, and cross discipline growth between defense stakeholders to assist the transition to Model Based Systems Engineering. The project will strengthen the talent pipeline needed for increasingly complex defense challenges. This also assist in advanced Modeling & Simulation gaps in support of Department of War (DoW) priorities and Joint Warfighting Concept 3.0.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: IMD Production Tools Description: Creation of automated tools to process data and develop improved analysis, production, and dissemination tools to support centralized data warehousing & data discover-ability enabling streamlined rapid reprogramming for operational & acquisition end users. FY 2026 Plans: Continued development of tools and process to enhance the availability of IMD products, enable machine communication, expand, and integrate new functional areas, automate threat weapon system models, and modernize NASIC cross-domain solutions for intelligence data dissemination Congress directed the increase of FY26 (+15.000M) for Model-Based Systems Engineering of Threat Systems and scenarios. This is in support of the drive to continued development, training, and cross discipline growth between defense stakeholders to assist the transition to Model Based Systems Engineering. The project will strengthen the talent pipeline needed for increasingly complex defense challenges. This also assist in advanced Modeling & Simulation gaps in support of Department of War (DoW) priorities and Joint Warfighting Concept 3.0. FY 2027 Plans: Continued development of tools and process to enhance the availability of IMD products, enable machine communication, expand, and integrate new functional areas, automate threat weapon system models, and modernize NASIC cross-domain solutions for intelligence data dissemination. FY 2026 to FY 2027 Increase/Decrease Statement: Minor increase due to inflation		2.838	17.164	2.293
Title: ReTi-CIP and JAIMI Development. Description: This effort provides RDT&E processes and tools used by the Acquisition Intelligence Community in support of the Acquisitions process to help US platforms stay ahead of threat systems worldwide. FY 2026 Plans:		0.820	0.836	0.858

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0307577F <i>I Intelligence Mission Data (IMD)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Address USAF and Joint Acquisition and Intelligence Community utilization, by increasing availability and access of vulnerabilities assessments and capability-to-threshold breaches by our adversaries. Reti-CIP proof of concept and JAIMI environment tools including digitizing the Intelligence Supportability Assessment (ISA) module and AI/ML integration.				
FY 2027 Plans: Address USAF road ahead for Reti-CIP proof of concept and JAIMI environment tools including digitizing the Intelligence Supportability Assessment (ISA) module and AI/ML integration.				
FY 2026 to FY 2027 Increase/Decrease Statement: Monir increase due to inflation				
Accomplishments/Planned Programs Subtotals		3.658	18.000	3.151
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy NASIC - Contract type and strategy will be assessed each year; however, we typically use firm fixed price contracts with a 12-month period of performance. SAF/CDM - Contract for JAIMI is Cost Plus Fixed Fee and is a five-year contract with a PoP of 25 September 2027. Contract management, executed through USAF Concepts Development and Management (CDM) Office, is complete through initiation and negotiation and is currently in OY2 of the five-year contract. Contractor continues to meet or exceed on execution and compliance meeting or exceeding operation and financial performance though each Period of Performance. Intention is to continue with current contractor through OY3 & OY4 focusing on requirements of the USAF Acquisition and Intelligence Community. Full and open competition for continuance of JAIMI program will occur at the completion of current contract September 2027.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0307577F / Intelligence Mission Data (IMD)						Project (Number/Name) 675306 / Analysis Enterprise			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CDM Tools Development	C/CPFF	SAF/CDM : Various, VA	-	0.820	Sep 2025	0.836	Sep 2026	0.858	Sep 2027	-		0.858	Continuing	Continuing	-
NASIC IMD Development	C/CPFF	NASIC : WPAFB, OH	-	2.838	Feb 2025	17.164	Feb 2026	2.293	Feb 2027	-		2.293	Continuing	Continuing	-
Subtotal			-	3.658		18.000		3.151		-		3.151	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.658		18.000		3.151		-		3.151	Continuing	Continuing	N/A
Remarks Contract award is expected 90 days after budget authority for FY26.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0307577F / Intelligence Mission Data (I MD)						Project (Number/Name) 675306 / Analysis Enterprise			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NCTR and IMD Tool Development																												
SIGINT/EWIR Tools Development																												
SIGNATURE Tool Development																												
C&P Tool Development																												
M&S Tool Development																												
JAIMI and ReTi-CIP Development																												
ReTi-CIP Development																												
AI/ML Development																												
ISA Development																												
Data Integration Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0307577F / <i>Intelligence Mission Data (IMD)</i>	Project (Number/Name) 675306 / <i>Analysis Enterprise</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>NCTR and IMD Tool Development</i>				
SIGINT/EWIR Tools Development	1	2026	4	2030
SIGNATURE Tool Development	1	2026	4	2030
C&P Tool Development	1	2026	4	2030
M&S Tool Development	1	2026	4	2030
<i>JAIMI and ReTi-CIP Development</i>				
ReTi-CIP Development	1	2025	4	2025
AI/ML Development	1	2026	4	2030
ISA Development	3	2025	1	2030
Data Integration Development	1	2026	4	2030

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	PE 0401119F / C-5 Airlift Squadrons (IF)											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	25.825	33.320	76.233	0.000	76.233	72.819	96.468	139.534	251.576	0.000	695.775
671307: <i>C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)</i>	0.000	25.722	24.338	47.509	0.000	47.509	10.111	0.000	0.000	0.000	0.000	107.680
671308: <i>C-5 Modernization Efforts</i>	0.000	0.103	8.982	28.724	0.000	28.724	62.708	96.468	139.534	251.576	0.000	588.095

Note

FY 2025 was rescinded \$11.000 million and is not reflected in this budget documentation.

A. Mission Description and Budget Item Justification

The C-5M carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets. There are 52 C-5 aircraft in the Air Force fleet. The fleet was delivered to the Air Force between 1969 and 1989. Service life was extended to at least 2040 as a result of the reliability enhancement and re-engining program (RERP) modification. C-5M RDT&E efforts are the C-5M Replace Multi-functional Controls and Display (RMCD) program and C-5 Modernization.

RMCD is a modification to mitigate the obsolescence of the current control and display units.

C-5 Modernization is to develop future solutions for needed upgrades to combat obsolescence, safety of flight, and reliability/availability/maintainability issues and major thrust Next-Gen Airlift (NGAL). NGAL will perform an Analysis of Alternatives (AoA) in FY 2027, informing the Capabilities Development Document (CDD) and acquisition framework.

Efforts will include but not limited to initial capabilities studies and analysis, risk reduction efforts, and studies and analysis to address Diminishing Manufacturing Sources (DMS).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0401119F I C-5 Airlift Squadrons (IF)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	32.903	33.713	0.000	0.000	0.000
Current President's Budget	25.825	33.320	76.233	0.000	76.233
Total Adjustments	-7.078	-0.393	76.233	0.000	76.233
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-6.000	0.000			
• SBIR/STTR Transfer	-1.078	-0.393			
• Other Adjustments	0.000	0.000	76.233	0.000	76.233
Change Summary Explanation					
FY 2025 budget request decreased by a total of \$7.078 million due to a \$6.000 million decrease for Below Threshold Reprogramming to support other higher Air Force priorities and \$1.078 million reduction for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).					
FY 2026 budget request decreased by \$0.393 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)				Project (Number/Name) 671307 / C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671307: C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)	0.000	25.722	24.338	47.509	0.000	47.509	10.111	0.000	0.000	0.000	0.000	107.680
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The C-5M Replace Multi-functional Controls and Display (RMCD) program is a modification to mitigate the obsolescence of the current control and display units. The RMCD program is also a comprehensive effort to ensure appropriate RMCD Line Replaceable Units (LRU) are developed and installed on the C-5M allowing aircraft operation in accordance with civil airspace access mandates for both US National Airspace System (NAS) and international civil airspace. RMCD is a program that will replace the current seven legacy multi-function display units with four updated displays for the pilot, copilot, flight engineer, and a display shared by the pilot and copilot.

This effort centers on modifying the current display units to support legacy inputs and integration of new system capabilities with margin for growth by upgrading the displays' power solution. Use of mixed displays (current and new) is not permissible due to obsolescence and human factors considerations.

This modification may include software development, data, cyber security, testing, installation, spares, Systems Integration Lab (SIL), prototypes, and other program support activities. Funding may be used to address Diminishing Manufacturing Sources (DMS). The modification helps to maintain aircraft availability as the new multi-functional controls and displays replaces the current controls and displays. Funding supports studies and analysis, risk reduction efforts, Advisory and Assistance Services (A&AS), program support costs, change orders, and other government costs such as travel, directorate support, government furnished equipment (GFE), and over and above costs.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: C-5 Replace Multi-Functional Controls and Display	25.722	24.338	47.509
Description: Replace Multi-Functional Controls and Display (RMCD) will enable the C-5M to achieve wartime mission requirements by maintaining fleet availability (mission capable rate).			
FY 2026 Plans: Performing design, test, and analysis of alternate hardware concepts informing requirements, technical, and risk assessments.			
FY 2027 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)				Project (Number/Name) 671307 / C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Continuing EMD activities, to include development, test and evaluation, and requirement and design reviews.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to larger scope of RMCD software and processor efforts.												
Accomplishments/Planned Programs Subtotals										25.722	24.338	47.509
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 Line Item C00500: C-5 Mods	54.661	40.798	23.797	-	23.797	38.382	45.377	44.501	45.369	38.980	331.865	
• APAF 06 000999: Initial Spares/Repair Parts	9.519	9.486	13.489	-	13.489	12.410	11.245	9.698	9.887	0.000	75.734	
• APAF 07 000075: C-5 Other Production Charges	0.000	0.103	0.174	-	0.174	0.050	0.050	0.050	0.101	0.000	0.528	
• APAF 07 000071: Aircraft Replacement Support Equip	3.173	3.231	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.404	
Remarks												
D. Acquisition Strategy												
Program Acquisition Strategy Panel (ASP) approved program's acquisition strategy on 4 Apr 2020. This strategy approved executing an Other Transaction Authority (OTA) contract to procure proof of concept hardware for test/analysis, award a Sole Source Engineering and Manufacturing Development (EMD) contract to Lockheed Martin Aerospace for system software and hardware tech insertion, system integration, data management, systems engineering, logistics, test and training to modify 2 aircraft. At completion of EMD, the program would move into Milestone C for Low Rate Initial Production (LRIP) and production to follow.												
Delta ASP approved 12 May 2022 to align EMD contractor requirements and update software development strategy. Delta ASP approved 29 Sep 2023 to restructure EMD contractor requirements and include increased scope. Delta ASP anticipated Q3 FY 2026.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)					Project (Number/Name) 671307 / C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)				
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RMCD Integration Contract (ROAR)	SS/CPFF	Lockheed Martin : Marietta, GA	-	11.152	Jun 2025	6.500	Mar 2026	34.650	Dec 2026	-		34.650	0.000	52.302	-
RMCD Other Transaction Authority (OTA)	SS/FP	SOSSEC, Inc : Salem, NH	-	-		-		-		-		-	0.000	0.000	-
Subtotal			-	11.152		6.500		34.650		-		34.650	0.000	52.302	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	WPAFB/RobinsAFB : TBD	-	3.270	Apr 2025	4.338	Apr 2026	7.130	Nov 2026	-		7.130	0.000	14.738	-
Subtotal			-	3.270		4.338		7.130		-		7.130	0.000	14.738	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Test	PO	AFLCMC/WLS : Robins AFB, GA	-	11.300	Jan 2025	9.500	Nov 2025	4.529	Apr 2027	-		4.529	0.000	25.329	-
Systems Integration Lab (SIL)	MIPR	AFMC 578 SWES/ MXDPAA : Robins AFB, GA	-	0.000	Jan 2025	4.000	Nov 2025	1.200	Feb 2027	-		1.200	0.000	5.200	-
Subtotal			-	11.300		13.500		5.729		-		5.729	0.000	30.529	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	25.722		24.338		47.509		-		47.509	0.000	97.569	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)										Project (Number/Name) 671307 / C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Replacement Multi-Functional Controls and Display (RMCD)																												
Technology Maturation and Risk Reduction Phase																												
Contract Award																												
Preliminary Design Review																												
Engineering and Manufacturing Development Phase																												
Test and Evaluation																												
Production & Fielding																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)	Project (Number/Name) 671307 / C-5 REPLACE MULTIFUNCT CONTROL AND DISPLAY (RMCD)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Replacement Multi-Functional Controls and Display (RMCD)				
Technology Maturation and Risk Reduction Phase	3	2025	4	2027
Contract Award	3	2025	3	2025
Preliminary Design Review	3	2027	3	2027
Engineering and Manufacturing Development Phase	1	2028	4	2029
Test and Evaluation	1	2029	3	2030
Production & Fielding	3	2029	4	2029

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)				Project (Number/Name) 671308 / C-5 Modernization Efforts			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671308: C-5 Modernization Efforts	0.000	0.103	8.982	28.724	0.000	28.724	62.708	96.468	139.534	251.576	0.000	588.095
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In accordance with Air Force's strategic direction, C-5 Modernization Efforts funding supports Next-Gen Airlift (NGAL) Analysis of Alternatives (AoA) and Concept Development efforts. NGAL is projected to fully replace the C-5M fleet tentatively in FY 2050 and maintain the Strat Air program floor of 223 C-17 aircraft and 52 C-5 aircraft per the FY 2013 National Defense Authorization Act (NDAA).

NGAL efforts will include but not limited to operational analysis, concept development, and acquisition strategy framework to prepare for Milestone A approval and entry into the Technology Maturation and Risk Reduction (TMRR) phase of a major defense acquisition program.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Next Generation Airlift (NGAL)	0.000	0.200	8.900
Description: Initial Study of Capabilities			
FY 2026 Plans: Preliminary Analysis of Alternatives (AoA) activities.			
FY 2027 Plans: Analysis of Alternatives (AoA) evaluating and assessing multiple Next-Gen Airlift (NGAL) concepts to determine long-term strategic airlift strategy for the Air Force.			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to kick-off of Next-Gen Airlift (NGAL) Analysis of Alternatives (AoA).			
Title: C-5 Modernization Efforts	0.103	0.000	0.000
Description: C-5 modernization efforts to include but not limited to Mobile User Objective System (MUOS) Antenna upgrades, Second Generation Anti-Jam Tactical UHF Radio for NATO (SATURN), and viability improvement initiatives. The upgrade			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)	Project (Number/Name) 671308 / C-5 Modernization Efforts	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
to SATURN will provide U.S. forces with an improved radio resistant to jamming through fast-frequency hopping and digital modulation techniques.			
FY 2026 Plans: N/A			
FY 2027 Plans: N/A			
FY 2026 to FY 2027 Increase/Decrease Statement: N/A			
Title: Holistic Avionics Grounding Avoidance and Recapitalization (HAGAR)		0.000	8.782
Description: The C-5 HAGAR program is a comprehensive effort to ensure appropriate HAGAR Line Replaceable Units (LRU) are developed, integrated, and installed on the C-5M allowing aircraft operation in accordance with civil airspace access mandates for both US National Airspace System (NAS) and international civil airspace. The C-5M HAGAR program will address obsolescence issues with outdated LRUs by updating technology and mitigate the obsolescence of the current air data system, mission computers, and the associated aircraft Operational Flight Program coding practices.			19.824
FY 2026 Plans: LRU testing, development and modification activites to include but not limited to software development, data, cyber security, testing, installation, spares, Systems Integration Lab (SIL), prototypes, and other program support activities. Funding may be used to address Diminishing Manufacturing Sources (DMS).			
FY 2027 Plans: Plans include but not limited to LRU testing, development and modification activities, software development, data, cyber security, testing, installation, spares, Systems Integration Lab (SIL), prototypes, and other program support activities. Funding may be used to address Diminishing Manufacturing Sources (DMS).			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of LRU testing, development and modification activities.			
Accomplishments/Planned Programs Subtotals		0.103	8.982
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)	Project (Number/Name) 671308 / C-5 Modernization Efforts
D. Acquisition Strategy The acquisition strategy for Next-Gen Airlift (NGAL) will be informed and determined by the recommendations and results from the initial capabilities studies. The acquisition strategy for Holistic Avionics and Grounding Avoidance Recapitalization (HAGAR) will be determined during FY 2027 Early Strategy and Issues Session and Acquisition Strategy Panel (ASP) activities.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)				Project (Number/Name) 671308 / C-5 Modernization Efforts					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-5 Modernization Studies	PO	FFRDC Study : TBD	-	-		-		-		-		-	Continuing	Continuing	-
C-5 Modernization Software Dev	Various	Not specified. : TBD	-	-		4.042	May 2026	5.653	Jun 2027	-		5.653	Continuing	Continuing	-
C-5 Modernization Non-Recurring Engineering	Various	Not specified. : TBD	-	-		1.796	May 2026	3.413	Jun 2027	-		3.413	Continuing	Continuing	-
C-5 Modernization Systems Engineering & Program Management	Various	Not specified. : TBD	-	-		0.729	Jan 2026	2.714	May 2027	-		2.714	Continuing	Continuing	-
Next Generation Airlift (NGAL) Preliminary Analysis of Alternatives (AoA)	MIPR	Not specified. : TBD	-	-		0.200	Sep 2026	8.900	Apr 2027	-		8.900	Continuing	Continuing	-
Subtotal			-	-		6.767		20.680		-		20.680	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Govt Costs	C/TBD	Not specified. : TBD	-	-		0.898	May 2026	3.256	May 2027	-		3.256	Continuing	Continuing	-
Subtotal			-	-		0.898		3.256		-		3.256	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	C/TBD	Not specified. : TBD	-	0.103	May 2025	1.317	Feb 2026	4.788	Feb 2027	-		4.788	Continuing	Continuing	-
Subtotal			-	0.103		1.317		4.788		-		4.788	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.103		8.982		28.724		-		28.724	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force							Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)		Project (Number/Name) 671308 / C-5 Modernization Efforts			
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Remarks									

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0401119F / C-5 Airlift Squadrons (IF)								671308 / C-5 Modernization Efforts			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Next Generation Airlift																												
Studies and Analysis																												
C-5 Modernization																												
C-5 Modernization Initial Planning																												
HAGAR																												
TMRR																												
EMD																												
Milestone B																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401119F / C-5 Airlift Squadrons (IF)	Project (Number/Name) 671308 / C-5 Modernization Efforts	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Next Generation Airlift				
Studies and Analysis	1	2027	4	2031
C-5 Modernization				
C-5 Modernization Initial Planning	2	2025	4	2031
HAGAR				
TMRR	1	2026	3	2028
EMD	3	2028	4	2031
Milestone B	3	2028	3	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401130F I C-17 Aircraft (IF)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	11.874	103.465	178.130	0.000	178.130	101.198	101.246	103.234	135.480	0.000	734.627
672569: C-17A Aircraft	0.000	11.874	103.465	178.130	0.000	178.130	101.198	101.246	103.234	135.480	0.000	734.627
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

C-17 program performs an entire spectrum of airlift missions and is specifically designed to operate effectively and efficiently in both strategic and theater environments. Not only can the C-17 deliver outsize cargo to austere tactical environments, but it also reduces ground time during air and land operations and is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The C-17 aircraft can carry up to 102 troops, 36-litter patients or 18 standard 463-L pallets.

The C-17 will perform it's airlift mission well into this century. Specific tasks associated with the airlift mission include deployment, employment, sustaining support, retrograde, aeromedical evacuation, and combat redeployment. C-17 Strategic Airlift provides essential flexibility when responding to contingencies on short notice anywhere in the world and is a major element of America's national security strategy and most responsive to meet mobility requirements.

C-17 program funding supports efforts to include but not limited to Aircraft performance improvements, aircraft mission execution and airspace access mandates (i.e. Communications/Navigation Improvements); flight test activities and facilities; development of solutions for obsolescence and safety of flight issues; systems engineering/program support; support for avionics laboratories; software development, test and integration; block development/change management; developments of solutions for needed upgrades to combat obsolescence and safety of flight issues; and proposal preparation for new projects; Flight Deck Replacement (FDR); Aircraft Connectivity; and, studies to assess survivability efforts of different defensive systems not equipped on C-17 aircraft.

Funding request includes Rapid Global Mobility (RGM) platform-related rapid capability development process activities including early planning, analysis and systems engineering activities which provide linkages between operation needs, system performance requirements, technology needs and opportunities, potential lifecycle costs and enabling the technical foundation for material development.

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

The FY 2026 spend plan amount for RDT&E includes \$103,465 thousand of discretionary and \$4,410 thousand of mandatory (reconciliation) for a total of \$107,875 thousand.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401130F I C-17 Aircraft (IF)				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		11.986	76.514	0.000	0.000	0.000
Current President's Budget		11.874	103.465	178.130	0.000	178.130
Total Adjustments		-0.112	26.951	178.130	0.000	178.130
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	28.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.112	-1.049			
• Other Adjustments		0.000	0.000	178.130	0.000	178.130
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 672569: C-17A Aircraft						
Congressional Add: C-17 Modernization						
Congressional Add Subtotals for Project: 672569						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY 2025 budget request decreased by \$0.112 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
FY 2026 budget request increased by total of \$26.951 million due a Congressional Add of \$28.000 million for C-17 Modernization and decrease of \$1.049 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Beyond Line of Sight (BLOS)				0.669	0.200	0.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401130F / <i>C-17 Aircraft (IF)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Beyond Line-Of-Sight (BLOS) modernization modification is a development, integration, and retrofit program for C-17 communications. BLOS modifies and improves hardware and software for voice and data communications for Air Traffic Control (ATC) on the C-17. The program will modify both integrated aircraft avionics as well as back-end mission communications and could utilize both military and commercial satellite systems to extend communication ranges. The current efforts include but are not limited to Aero-I/Aero-H modernizations Comm Mod and NSA mandated crypto upgrades. It includes support for flight test, software labs, and systems engineering activities for C-17 research and development programs. FY 2026 Plans: BLOS project closure activities and wrapping up Operational Testing reviews. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A				
Title: Flight Test Description: Contractor Flight Test support to continue contractor testing of new capabilities as required. Costs include but not limited to maintenance on test aircraft, contractor engineering support for test related technical and safety of flight issues, test planning, test analysis, and support of test execution. It also includes Edwards AFB Flight Test Support where direct costs are related to flight testing and include ramp space, fuel, air traffic control, range costs, etc., which are items each weapon system must pay when using Air Force flight test locations. FY 2026 Plans: Flight test support for related technical and safety of flight issues, test planning, and test analysis activities. FY 2027 Plans: Continued flight test support for related technical and safety of flight issues, test planning, and test analysis activities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional flight test support activities.		3.372	5.215	5.569
Title: Aircraft Connectivity Description: The National Security Strategy and the National Defense Strategy dictate the importance of connectivity in the Indo-Pacific as well as other regions. Air Mobility Command is driving a system architecture for the C-17 as well as other Mobility aircraft to incorporate a Federated Mission System Reference Architecture. This architecture integrates multiple data sources,		0.100	0.000	67.056

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401130F I C-17 Aircraft (IF)		
C. Accomplishments/Planned Programs (\$ in Millions) connectivity options, analytics, and applications into an interoperable system. The foundation of the architecture is the multiple sources of connectivity to include line of sight (tactical data link), beyond line of sight (satellite connections) and communications within the aircraft. These efforts include Starshield, Tactical Data Link, Hybrid SATCOM, as well as other projects. FY 2026 Plans: N/A FY 2027 Plans: Design, development, and integration activities for Starshield, Hybrid SATCOM, Avionics Rack, resilient Position, Navigation, and Timing (PNT), and Real-Time in Cockpit (RTIC). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of contracting activities for scaled prototyping, design, development, and integration efforts for Starshield, Hybrid SATCOM, Mobility Air Forces mission systems, resilient PNT, and other efforts.		FY 2025	FY 2026	FY 2027
Title: Databus Collection & Analytics (DBCA) Description: Databus Collection and Analytics (DBCA), previously Databus Reporting System (DBRS), has been renamed to highlight both the hardware and analytics capabilities instead of focusing primarily on hardware. DBCA will capture and apply analytics to all data present across all databuses on the C-17 aircraft to provide and drive efficiencies in predictive maintenance, operations, training, safety considerations and cybersecurity concerns. This comprehensive aircraft data collection system will record, transfer and retain, process and analyze, and provide aircraft and fleet recommendations. Data analysis to be comprehensive enough to forecast/trend root-cause analysis, drive predictive maintenance decisions, accomplish propulsion/APU health trending programs, and provide sortie reconstruction for operator training/debriefing. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A		2.500	0.000	0.000
Title: Flight Deck Replacement (FDR) Description: Flight Deck Replacement (FDR) is a development, integration, and retrofit program seeking to modernize the C-17 fight deck and prevents the C-17 fleet from grounding in due to parts obsolescence. The program replaces the obsolete		5.233	70.050	105.505

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401130F I C-17 Aircraft (IF)						
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027
mission flight computer (core integrated processors (CIP)), multi-function displays (MFD), standby engine displays (SED), video integrated processor (VIP), and provides updates for the affected simulators/trainers/labs. The program's capabilities provide an open systems architecture enabling future modular "plug and play", advancing C-17 flight deck components to current industry standards.											
FY 2026 Plans: Continue engineering and manufacturing development to include but not limited to software development, data, cyber security, testing, integration laboratory updates, and other program support activities.											
FY 2027 Plans: Continuation of engineering and manufacturing development to include but not limited to software development, data, cyber security, testing, integration laboratory updates, and other program support activities.											
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional engineering, software development and testing activities.											
Accomplishments/Planned Programs Subtotals									11.874	75.465	178.130
									FY 2025	FY 2026	
Congressional Add: C-17 Modernization									0.000	28.000	
FY 2025 Accomplishments: N/A											
FY 2026 Plans: The Congressional Add supports C-17 advanced connectivity and situational awareness efforts. This includes Avionics Rack design, Resilient Position Navigation and Timing (PNT) analysis, Special Mission Equipment, and Mobility Air Forces (MAF) Network Exchange Unified System (NEXUS) development.											
Congressional Adds Subtotals									0.000	28.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item C01700: C-17A	85.674	9.853	59.867	-	59.867	152.668	290.007	273.317	439.775	0.000	1,311.161
• APAF 06 Line Item 000999: Initial Spares/Repair Parts	10.405	2.549	23,276.000	-	323,276.000	316,501.000	8.150	8.304	8.465	0.000	639,814.873
• APAF 07 C01700: C-17A	0.000	2.672	3.027	-	3.027	0.483	0.924	2.123	2.164	0.000	11.393
Remarks											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0401130F I C-17 Aircraft (IF)	
E. Acquisition Strategy The C-17 Acquisition Strategy is based on several separate contracts to support the entire scope of the C-17 weapon system. Globemaster Operational Enhancement (GLOBE) is an indefinite delivery, indefinite quantity (IDIQ) contract used to purchase services and research articles (through delivery orders) to support all RDT&E with our prime contractor. In addition, purchase orders are used to support flight test activities within the projects at Edwards AFB. In addition to GLOBE, the G3 Sustainment contract is also an IDIQ contract that allows for RDT&E with our prime contractor.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401130F / C-17 Aircraft (IF)				Project (Number/Name) 672569 / C-17A Aircraft					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-17 BLOS- Beyond Line of Sight	Various	Boeing : Long Beach, CA	-	0.669	Nov 2024	0.000	Nov 2025	-		-		-	Continuing	Continuing	72.136
C-17 FDR- Flight Deck Replacement	SS/CPFF	Boeing : Long Beach, CA	-	3.804	Dec 2024	67.446	Dec 2025	102.618	Nov 2026	-		102.618	Continuing	Continuing	-
C-17 Aircraft Connectivity	Various	Not specified. : TBD	-	0.000	Mar 2026	28.000	May 2026	66.042	Oct 2026	-		66.042	Continuing	Continuing	-
Flight Test Support	Various	Boeing : TBD	-	5.972	May 2025	5.215	May 2026	5.569	May 2027	-		5.569	Continuing	Continuing	-
Subtotal			-	10.445		100.661		174.229		-		174.229	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority Civilian Pay	Various	Not specified. : TBD	-	1.429	Oct 2024	2.804	Oct 2025	3.901	Oct 2026	-		3.901	Continuing	Continuing	-
Subtotal			-	1.429		2.804		3.901		-		3.901	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	11.874		103.465		178.130		-		178.130	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0401130F / C-17 Aircraft (IF)					672569 / C-17A Aircraft				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
C-17																												
Beyond Line of Sight (BLOS)																												
Flight Deck Replacement (FDR)																												
Aircraft Connectivity																												
Flight Test Support																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401130F / C-17 Aircraft (IF)	Project (Number/Name) 672569 / C-17A Aircraft

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-17				
Beyond Line of Sight (BLOS)	1	2025	2	2026
Flight Deck Replacement (FDR)	2	2025	4	2030
Aircraft Connectivity	2	2025	4	2031
Flight Test Support	1	2025	4	2031

Note
BLOS: The Development contract for BLOS has been extended to support an Operational Test for Summer 2025, with support needed to review Test Reports and contract closure to 2nd Quarter of 2026.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401132F I C-130J Program							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	324.905	34.261	18.684	16.628	0.000	16.628	11.964	12.239	12.469	12.721	Continuing	Continuing
675061: C-130J	324.905	24.278	3.775	9.856	0.000	9.856	5.195	4.057	4.134	4.217	Continuing	Continuing
675305: C-130J Prog	0.000	9.983	14.909	6.772	0.000	6.772	6.769	8.182	8.335	8.504	0.000	63.454
Program MDAP/MAIS Code: 220												
Note FY 2025 was rescinded \$11.700 million and is not reflected in this budget documentation. In FY 2026, the Air Force requested and processed the Internal Reprogramming of \$29.000 million Congressional Add for non-recurring engineering for Program Element (PE) 0401132F, C-130J program and realigned funding to PE 0605278F, HC-130J Modernization for proper execution.												
A. Mission Description and Budget Item Justification The C-130J is a medium-sized transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 feet) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/H and the C-130J (short). Special mission variants of the C-130J conduct airborne weather reconnaissance (WC-130J), search and rescue (HC-130J), and special operations (MC-130J and AC-130J). All aircraft variants must be capable of worldwide operations. This project provides RDT&E funding for required capabilities that are grouped as "Block" upgrades or "Capability" or "Enhancement and Deficiencies" (EnD) updates. Content/requirements for block modifications is documented in International Program Directives (IPDs) and as determined in the Cooperative Systems and Software Upgrade Requirements Management (COSSURM) prioritized requirements process. This project will integrate the common-core capabilities developed under this program into the C-130J. The development costs are being shared via a global Project Arrangement (PA) by the United States (USAF, USMC, USCG), Italy, Australia, Denmark, Canada, and Norway. The C-130J program also includes Communication Modification 1 (Comm Mod 1) and Communication Modification 2 (Comm Mod 2). This effort includes but not limited to development, integration, and test of the new radio and communication systems including but not limited to Mobile User Objective System (MUOS), Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), Joint Range Extension Application Protocols (JREAP) to modernize Military Satellite Communications, Ultra High Frequency (UHF) and High Frequency (HF) radios, special mission processing, and data link messaging. These systems will provide secure, global Line of Sight (LOS) and Beyond Line of Sight (BLOS) satellite voice and data connectivity utilizing modern satellite constellations. C-130J requirements support the performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	63.533	31.354	0.000	0.000	0.000
Current President's Budget	34.261	18.684	16.628	0.000	16.628
Total Adjustments	-29.272	-12.670	16.628	0.000	16.628
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-12.410			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-29.000	0.000			
• SBIR/STTR Transfer	-0.272	-0.260			
• Other Adjustments	0.000	0.000	16.628	0.000	16.628

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 675061: C-130J

Congressional Add: *Enhanced Flight Vision System*

Congressional Add Subtotals for Project: 675061

Congressional Add Totals for all Projects

FY 2025	FY 2026
2.000	-
2.000	-
2.000	-

Change Summary Explanation

FY 2025 budget request was reduced by a total of \$29.272 million due to a \$29.000 million Air Force requested Internal Reprogramming for non-recurring engineering and \$0.272 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

FY 2026 budget request was reduced by a total of \$12.670 million due to a \$12.410 million Congressional Directed Reduction for Communication Modernization Carryover and \$0.260 for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675061 / C-130J			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675061: C-130J	324.905	24.278	3.775	9.856	0.000	9.856	5.195	4.057	4.134	4.217	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The C-130J is a medium-sized transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 feet) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/H and the C-130J (short). Special mission variants of the C-130J conduct weather reconnaissance (WC-130J), search and rescue (HC-130J), and special operations (MC-130J and AC-130J). All aircraft variants must be capable of worldwide operations.

This project also provides RDT&E funding and outlined in a cost share agreement for required capabilities that are grouped as "Block" upgrades or "Capability" or "Enhancement and Deficiencies" (EnD) updates. Content/requirements for these efforts is documented in International Program Directives (IPDs) as determined through the Cooperative Systems and Software Upgrade Requirements Management (COSSURM) process or other approved C-130J Joint User Group (JUG) processes. Activities required to complete development and integration of the common-core capabilities for all United States' variants are included in this project. In addition, this project includes early acquisition and engineering studies and initiatives related to the C-130J such as, but not limited to, capability gap resolution, emerging technology assessments, exploration and adaptation, systems integration assessments and technology transition; to include digital transformation.

This project also provides RDT&E funding for requirements that are outside of the "Block" upgrades, "Capability" updates, "Enhancement and Deficiencies" (EnD) updates, or COSSURM process. These efforts may include, but are not limited to, communication, data link, Global Positioning Systems (GPS), electronic warfare, formation flight system, digital pathfinder initiatives and mission support system updates. The requirements are identified and concurred between the C-130J Program Office and Air Mobility Command (AMC). Requirements are documented through the C-130J Program Office approval process.

This project provides RDT&E funding for studies and risk reduction activities and Program Support Costs (PSC).

This project includes RDT&E funding for the following C-130J aircraft variants: C-130J stretch aircraft, C-130J short aircraft, and WC-130J aircraft.

This project includes RDT&E funding for Rapid Global Mobility (RGM) platform related activities including, but not limited to, prototyping, capability development, process activities, planning analysis, digital acquisition and systems engineering activities.

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

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Test & Evaluation Description: Test and evaluation planning, conduct and support for developmental and operational testing of C-130J programs; to include, but not limited to the Block 8.1 and Capability Management Update 2 (CMU 2) (Block 8.1.2) programs. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A		0.129	0.000	0.000
Title: Enhancement & Deficiencies (EnD) Description: EnD refines and builds on Block upgrade modifications that improve operational effectiveness, satisfy emerging operational needs, and enhance Human Machine Interface (HMI) to allow a workload that meets human factors standards and maintains the present crew complement. Subsystems and software impacted includes, but is not limited to, the Mission Computer (MC), Bus Interface Unit (BIU), Communications Navigation Identification - System Processor (CNI-SP), Special Mission Display Processor (SMDP), and Data Transfer and Diagnostic System (DTADS). FY 2026 Plans: EnD 1 for CMU 2 program Block 8.1.3 contracting activities. FY 2027 Plans: Continuation of EnD efforts through the C-130J International Program Office (IPO) and Block 8.1.3 contracting activities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of contracting activities for block upgrade modifications.		15.892	1.127	6.629
Title: Cooperative Systems and Software Upgrade Requirements Management (COSSURM) Description: Continuing effort to collect potential requirements for inclusion into a Capability Management Update, or Enhancement and Deficiencies (EnD) Common Non-Recurring Engineering (CNRE) effort. FY 2026 Plans: COSSURM planning and development of EnD requirements and JUG website. FY 2027 Plans:		0.060	0.109	0.109

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0401132F / C-130J Program		Project (Number/Name) 675061 / C-130J		
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Continuation of COSSURM planning and development of EnD requirements and Joint Users Group (JUG) website.						
FY 2026 to FY 2027 Increase/Decrease Statement: N/A						
Title: Other Inititatives				5.161	0.940	0.856
Description: C-130J Initiatives/Studies and digital transformation efforts, to include but not limited to the mission computer.						
FY 2026 Plans: Continuation of prior year digital transformation efforts.						
FY 2027 Plans: Continuation of prior year digital transformation efforts.						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduction of digital transformation efforts.						
Title: C-130J/International Programs Office (IPO) Support				1.036	1.599	2.262
Description: C-130J and C-130J IPO support of programmatic activities.						
FY 2026 Plans: C-130J International Program office support activities.						
FY 2027 Plans: Continuation of program support activities.						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional contracting activities for Engineering Professional and Administrative Support Services (EPASS).						
Accomplishments/Planned Programs Subtotals				22.278	3.775	9.856
				FY 2025	FY 2026	
Congressional Add: Enhanced Flight Vision System				2.000	-	
FY 2025 Accomplishments: Enhanced Flight Vision System						
Congressional Adds Subtotals				2.000	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J	

C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 C1300J: C-130J Mods	163.386	141.000	315.308	-	315.308	270.797	224.872	213.869	205.684	0.000	1,534.916
• APAF 02 C130J0: C-130J	414.050	1,191.000	636.680	-	636.680	115.000	-	-	-	0.000	2,356.730

Remarks

D. Acquisition Strategy

The C-130J aircraft will be modified using a "block upgrade" strategy. The Communication, Navigation, and Surveillance and Air Traffic Management (CNS/ATM), navigation safety requirement initially met in three block upgrades (Block 6.0, Block 7.0 and Block 8.1). In order to better manage the fleet, the USAF combined the Block 7 and Block 8.1 mods. This allows aircraft and trainers to be modified one time.

Subsequently, C-130J modifications will be grouped into smaller updates known as Capability Management Updates (CMU) or Enhancement and Deficiencies (EnD). Other AMC initiatives are upgrades to hardware and software that have arisen after the formation of the block upgrades and CMUs.

The proportion of CNS/ATM and navigation safety requirements allocated to Blocks 6.0 through 8.1 was determined via a design trade study conducted by Lockheed Martin (the C-130J prime contractor) and verified by the C-130J system program office and AMC. The development costs are being shared via a global Project Arrangement (PA) by the United States (USAF, USMC, USCG), Italy, Australia, Denmark, Canada, and Norway. An International Program Office (IPO), with USAF lead (Wright Patterson AFB, OH), manages the block upgrades development and CMU efforts. Retrofit of a Block on the aircraft is the responsibility of each nation.

In order to meet four DoD technology refresh mandates, the communications modernization program will develop and field a federated and integrated communications system to Blocks 6.0 and 8.1 C-130J variants.

In order to comply with FAA mandated frequency remapping and National Security Agency mandated crypto-modernization, the aircraft Link 16 receiver transmitter will need to be upgraded to a next generation receiver. One example of the next generation receiver is the Multifunctional Information Distribution System Joint Tactical Radio System (LINK 16) (MIDS-JTRS) terminal. CMU2 will allow initial capability of MIDS-JTRS; further MIDS-JTRS capabilities are being developed in EnD.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675061 / C-130J					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-130J Capability Management Upgrades (CMU), Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	PO	417th : Eglin AFB, FL	3.339	-		-		-		-		-	0.000	3.339	20.480
C-130J AMC-Initiatives, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/ Various	Lockheed Martin Aero : Marietta, GA	274.013	0.976	Dec 2024	1.192	Dec 2025	1.011	Dec 2026	-		1.011	Continuing	Continuing	14.730
C-130J Enhancement and Deficiencies (EnD), Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPIF	Lockheed Martin Aero : Marietta, GA	8.755	15.610	Apr 2025	0.875	Apr 2026	6.629	Apr 2027	-		6.629	Continuing	Continuing	65.030
C130J Cooperative Systems and Software Upgrade Requirements Management (COSSURM), Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/ Various	Lockheed Martin Aero : Marietta, GA	16.118	0.060	Nov 2024	0.109	Nov 2025	0.109	Nov 2026	-		0.109	Continuing	Continuing	-
C-130J Enhanced Flight Vision System Congressional Add	Various	Not specified. : TBD	0.000	2.000	Sep 2026	-		-		-		-	0.000	2.000	-
Subtotal			302.225	18.646		2.176		7.749		-		7.749	Continuing	Continuing	N/A
Remarks															
C-130J Block 8.1 Total Cost is below Target Value of Contract to account for the expected cost reduction initiatives on this Cost Plus Award Fee Contract.															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	PO	Not specified. : EGLIN, FL	4.350	1.105	Nov 2025	0.000	Dec 2026	0.000	Nov 2027	-		0.000	Continuing	Continuing	-
Subtotal			4.350	1.105		0.000		0.000		-		0.000	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program						Project (Number/Name) 675061 / C-130J			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-130J IPO Support	Various	N/A : NV	14.298	2.716	Feb 2025	1.599	Feb 2026	2.107	Feb 2027	-		2.107	Continuing	Continuing	15.014
C-130J COSSURM	Various	N/A : NV	0.501	1.358	Feb 2025	-		-		-		-	0.000	1.859	16.548
C-130J Support	Various	N/A : OH	3.531	0.453	Feb 2025	-		-		-		-	Continuing	Continuing	15.014
Subtotal			18.330	4.527		1.599		2.107		-		2.107	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			324.905	24.278		3.775		9.856		-		9.856	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0401132F / C-130J Program					675061 / C-130J			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
C-130J																												
AMC -Initiatives																												
EnD																												
COSSURM																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-130J				
AMC -Initiatives	1	2025	4	2031
EnD	4	2025	3	2031
COSSURM	1	2025	4	2029

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675305 / C-130J Prog			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675305: C-130J Prog	0.000	9.983	14.909	6.772	0.000	6.772	6.769	8.182	8.335	8.504	0.000	63.454
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The C-130J program funds Communication Modernization (phase 1 and phase 2) which meets Crypto Mandate 1. Comm Mod phase 1 and phase 2 efforts include but not limited to the development and integration of the new radio communication and defensive systems, Mobile User Objective System (MUOS), Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), Joint Range Extension Application Protocols (JREAP) to modernize Military Satellite Communication System (MILSATCOM), JREAP Connectivity via Commercial Pathway, Ultra High Frequency (UHF) and Super High Frequency (SHF) modernization including Hybrid SATCOM/ Global Lighting or similar technologies, High Frequency (HF) Radio Modernization, special mission processing, and data link messaging. These systems will provide secure, global Line of Sight (LOS) and Beyond Line of Sight (BLOS) satellite voice and data connectivity utilizing modern satellite constellations and waveforms. These systems will also be integrated into other C-130J capabilities, such as Radio Frequency (RF) components including ALR-69A and DRFM (Digital Radio Frequency Memory Countermeasure).

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

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Communication Modernization	9.983	14.909	6.772
Description: Communication Modernization development, integration, and testing of the new radio and communication systems to provide secure, global Line of Sight (LOS) and Beyond Line of Sight (BLOS) satellite voice and data connectivity utilizing modern satellite constellations and waveforms. These systems will also be integrated into other C-130J capabilities. The program will include all 12 product support elements, including but not limited to, updating Support Equipment and Technical Data as required.			
FY 2026 Plans: Comm Mod phase 1 development and ramping up Comm Mod Phase 2 efforts.			
FY 2027 Plans: Continuation of Comm Mod phase 1 development and Comm Mod Phase 2 efforts.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675305 / C-130J Prog				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Funding decreased due to ramping down Com Mod Phase 1 activities.												
Accomplishments/Planned Programs Subtotals										9.983	14.909	6.772
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 0401132F: C-130J PROGRAM	17.648	4.199	17.610	-	17.610	26.511	22.106	30.489	85.583	0.000	204.146	
Remarks												
D. Acquisition Strategy												
In order to meet SecAF Crypto Mandate 1, the communications modernization program has developed a plan to field a federated (Comm mod phase 1) and integrated (Comm mod phase 2) communications system to Blocks 6.0 and 8.1 C-130J variants.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675305 / C-130J Prog					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-130J Communication Modernization, Air Force Life Cycle Mgmt Ctr (AMFC), WPAFB, OH	SS/CPFF	Lockheed Martin Aero : Marietta, GA	0.000	9.154	Sep 2025	13.072	Jun 2026	5.304	May 2027	-		5.304	Continuing	Continuing	-
Subtotal			0.000	9.154		13.072		5.304		-		5.304	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C-130J Support	TBD	N/A : OH	0.000	0.829	Sep 2025	1.837	Feb 2026	1.468	Feb 2027	-		1.468	Continuing	Continuing	2.336
Subtotal			0.000	0.829		1.837		1.468		-		1.468	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	9.983		14.909		6.772		-		6.772	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0401132F / C-130J Program					675305 / C-130J Prog									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
C-130J																												
Communication Modernization (MILSATCOM)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675305 / C-130J Prog

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-130J				
Communication Modernization (MILSATCOM)	1	2025	3	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401134F I Large Aircraft IR Countermeasures (LAIRCM)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	7.484	40.955	12.323	0.000	12.323	20.000	15.000	0.000	0.000	Continuing	Continuing
674942: Large Aircraft Infrared Counter Measures (LAIRCM)	0.000	7.484	31.731	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
67A037: Latent Capability Development	0.000	0.000	1.695	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.695
67A038: Active Defense Sensor	0.000	0.000	7.529	12.323	0.000	12.323	20.000	15.000	0.000	0.000	0.000	54.852
Note In FY 2027, Program Element (PE) 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM, efforts transferred to two PEs: 1) PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor and 2) PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor to ensure greater transparency. In FY 2027, PE 0401134F, LAIRCM, Project 67A037, Latent Capability Development efforts were transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), project 67A038, Active Defense Sensor to develop an upward looking system to ensure aircraft survivability.												
A. Mission Description and Budget Item Justification The Large Aircraft Infrared Countermeasures (LAIRCM) system is an evolutionary acquisition program designed to provide significantly improved defensive systems capability for Department of War (DoW) aircraft to counter the man-portable air-defense systems (MANPADS) and other surface-to-air Infrared (IR) missile threats. It is now being upgraded with new detection capabilities to provide aircrew with awareness of laser warning, small arms fire, rocket-propelled grenades, anti-aircraft fire, and laser guided munitions, with new sensors entering production in FY 2029. The LAIRCM system configuration consists of missile warning sensors (MWS), a laser transmitter assembly, control interface unit, and processors to detect, track, jam, and counter incoming missiles. The system is currently installed on 54 aircraft types and over 1,200 aircraft. The program's baseline development is complete. However, new efforts are required to continue addressing and countering new and emerging threats. The system is fully autonomous following the system power-up. LAIRCM requirements are documented in the multi-command Operational Requirements Document (ORD) LAIRCM ORD 314-92, validated on 03 Aug 1998. The baseline development program is complete. Follow-on efforts continue Evolving Threat Analysis in order to address and counter new and emerging threats, as well as ensure integration onto new aircraft types and existing LAIRCM platforms. Additional efforts include design changes to improve reliability, maintainability, & availability and system improvements with form, fit, function and interface compliant replacements. In FY 2027, the Air Force's focus is to expand protection of large aircraft beyond the threats LAIRCM counters.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0401134F I Large Aircraft IR Countermeasures (LAIRCM)	
In FY 2026, to reestablish deterrence and protect our high-value asset aircraft from enemy threats, the Department of War required an adjustment to the LAIRCM portfolio to pivot and transition LAIRCM into the Large Aircraft Survivability System (LASS) program in FY 2027. To achieve this, the Air Force adjusted the lines of effort in PE 0401134F, LAIRCM, to be 1) Evolving Threat Analysis (ETA), 2) Long Range Detect, 3) Active Detection, and 4) Advanced Defeat Technologies to help restore and rebuild capability for Survivable High-Value Airborne Assets. Latent Capability Development (LCD) is intended to update the LAIRCM system to defend against unique threats. In FY 2027, PE 0401134F, LAIRCM, Project 67A037, LCD, was transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor. This funding provides programmatic support to update the system, to include hardware, software, and firmware, to enable the system's ability to detect and defeat a distinct category of threats and update to the latest threat models. Development begins at the AFRL Dynamic Infrared Missile Evaluator (DIME) Lab before transitioning to Northrop Grumman Corporation (NGC) for inclusion into the LAIRCM software baseline. The Active Defense Sensor (ADS) provides sensing and cueing of threats, which is anticipated to employ a version of a long-range Radio Frequency (RF) defense sensor to provide long range sensing and cueing of threats. In FY 2027, efforts under PE 0401134F, Project 67A038, Active Defense Sensor, were transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Advanced Sensors. ADS will enhance existing High Value Airborne Asset (HVAA) survivability to detect and employ new tactics against an expanded category of threats. Anticipated efforts include, but are not limited to: hardware and software upgrade, development, and integration; prototyping; testing of the sensor as it integrates into a modular system of systems approach to maintain defensive capability against new and emerging threats. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401134F I Large Aircraft IR Countermeasures (LAIRCM)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	7.768	52.928	0.000	0.000	0.000
Current President's Budget	7.484	40.955	12.323	0.000	12.323
Total Adjustments	-0.284	-11.973	12.323	0.000	12.323
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-11.404			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.284	-0.569			
• Other Adjustments	0.000	0.000	12.323	0.000	12.323
Change Summary Explanation					
FY 2025 budget request decreased by \$0.284 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).					
FY 2026 budget request decreased by a total of \$11.973 million due to a \$11.404 million Congressional Directed Reduction for ahead of need and a \$0.569 million reduction for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).					
The FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674942: Large Aircraft Infrared Counter Measures (LAIRCM)	0.000	7.484	31.731	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, Program Element (PE) 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM, efforts were split between PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor, and PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor, to increase transparency.

A. Mission Description and Budget Item Justification

The Large Aircraft Infrared Countermeasures (LAIRCM) system is an evolutionary acquisition program that provides significantly improved defensive systems capability for DoD aircraft to counter the man-portable air-defense systems (MANPADS) missile threat. The system is currently installed on 54 aircraft types and over 1,200 aircraft.

The current LAIRCM system configuration consists of missile warning sensors (MWS), a laser transmitter assembly, control interface unit and processors to detect, track, jam and counter incoming missiles. The number of sensors and transmitter assemblies per aircraft is determined by the size and signature of the aircraft. The system is fully autonomous following system power-up. LAIRCM requirements are documented in the multi-command Operational Requirements Document (ORD) LAIRCM ORD 314-92, validated on 03 Aug 1998.

The baseline development program is complete. Follow-on efforts continue Evolving Threat Analysis in order to address and counter new and emerging threats, as well as ensure integration onto new aircraft types and existing LAIRCM platforms. Additional efforts include design changes to improve reliability, maintainability, & availability and system improvements with form, fit, function and interface compliant replacements. LAIRCM upgrades include but are not limited to hardware and software upgrades, as well as testing of the LAIRCM system to maintain defensive capability against new and emerging threats. Current and future efforts include AFRL Threat Analysis; Modeling, Simulation and Test; Virtual System Integration Lab (SIL) Development; and Studies and Analysis.

AFRL Threat Analysis encompasses the activities to support threat exploitation analysis of a variety of threats (both known and emerging) against the current LAIRCM jam code with the intent of determining if jam code updates are required. Typical threat analysis activities include: threat seeker characterization; model development for advanced threat IR seekers; development and testing of new infrared countermeasures concepts, techniques, and hardware; new technology assessment for potential incorporation into the LAIRCM system, and the evaluation/ exploitation of new threats and threat characteristics relative to infrared countermeasures (IRCM). In FY 2026 these efforts focused on Hostile Fire Indicator/Laser Warning (HFI/LW) Capability and the development of a Long Range Detect Sensor (LRDS).

In FY 2027, efforts involving HFI/LW capability have been moved to PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor, and renamed Multi-Threat Mid-Wave (MW) IR Sensor.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)	Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)		
In FY 2027, efforts involving Long Range Detect Sensor (LRDS) have been transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: LAIRCM AFRL Threat Analysis Description: Encompasses activities to support threat exploitation analysis and updates against a variety of threats for the current LAIRCM jam code with the intent of determining if jam code updates are required. FY 2026 Plans: Threat analysis activities to include threat exploitation, jam code updates, develop new Hostile Fire Indication/Laser Warning (HFI/LW) capability, and start Long Range Detect Sensor development. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to the transfer of activities for HFI/LW capabilities under Multi-Threat Mid-Wave IR Sensor development to PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor, and the transfer of LRDS efforts to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor.		5.967	26.021	0.000
Title: LAIRCM, Modeling, Simulation, and Test Description: Activities that verify and validate the information obtained from threat analysis activities. FY 2026 Plans: Continued Modeling, Simulation and Test analysis activities to include threat analysis validation. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to a transfer of activities to PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor to support Multi-Threat Mid-Wave (MW) IR sensor development.		1.517	4.210	0.000
Title: Capability Upgrade Description: Hardware, software, and integration of updates of new capabilities that require validation/verification testing needed to counter new threats to US aircraft while ensuring system performance across all flight envelopes.		-	1.500	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
FY 2026 Plans: Capability Upgrade efforts to support Hostile Fire Indicator/Laser Warning (HFI/LW) Joint Requirement and HFI/LW Risk Reduction Study.											
FY 2027 Plans: N/A											
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to a transfer of activities to PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor for Multi-Threat Mid-Wave (MW) IR sensor development.											
Accomplishments/Planned Programs Subtotals								7.484	31.731	0.000	
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 07 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	50.111	0.000	50.111	70.096	49.785	27.856	28.420	Continuing	Continuing
• RDTE 05 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	17.996	0.000	17.996	118.913	145.000	0.000	0.000	Continuing	Continuing
• APAF 05 0401134F: Large Aircraft InfraRed Counter Measures (LAIRCM)	52.117	35.165	66.638	0.000	66.638	58.205	60.571	115.577	106.395	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Efforts awarded on an annual basis, exercising existing contract options, funding government led threat analysis, and system effectiveness studies. The LAIRCM program office partners with the Air Force Research Laboratory (AFRL), the 46th Test Squadron, and the Guided Weapon Evaluation Facility (GWEF) to conduct threat analysis research and Modeling, Simulation, and Test. AFRL provides hardware-in-the-loop developmental test simulation capability on a level-of-effort (LOE) basis. The current LAIRCM Annual Lot Buy contract may be used to award multiple various study efforts, and AFLCMC/HB has additional open contracts that enable rapid award of new efforts.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LAIRCM	Various	AFRL : Wright- Patt. AFB, OH	-	-		2.252	Mar 2026	-		-		-	0.000	2.252	-
Subtotal			-	-		2.252		-		-		-	0.000	2.252	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Evolving Threat Analysis (ETA) Scene Generation/ NG	Various	NGC : Rolling Meadows, IL	-	5.260	May 2025	-		-		-		-	0.000	5.260	-
Evolving Threat Analysis (ETA)	Various	AFRL/RYP-DIME-ITWL : WPAFB, OH	-	2.224	Nov 2024	-		-		-		-	0.000	2.224	-
Long Range Detect Sensor	C/CPAF	Prime CTR TBD : WPAFB, OH	-	-		18.479	May 2026	-		-		-	0.000	18.479	-
Hostile Fire Indication/ Laser Warning (HFI/LW) Detection Capability	SS/CPAF	NGC : Rolling Meadows, IL	-	-		11.000	May 2026	-		-		-	0.000	11.000	-
Subtotal			-	7.484		29.479		-		-		-	0.000	36.963	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.484		31.731		-		-		-	0.000	39.215	N/A
Remarks In FY 2027, Program Element (PE) 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM, efforts were split between PE 0401134F, LAIRCM, Project 67A038, Advanced Sensors, for those involving HFI/LW Development Capability and PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Advanced Sensors, for those efforts involving the Long Range Detect Sensor to increase transparency.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)								Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)	Project (Number/Name) 674942 / Large Aircraft Infrared Counter Measures (LAIRCM)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
LAIRCM				
LAIRCM	1	2025	4	2026

Note
In FY 2027, Program Element (PE) 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM, efforts were split between PE 0401134F, LAIRCM, Project 67A038, Advanced Sensors, and PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Advanced Sensors, to increase transparency.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 67A037 / Latent Capability Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
67A037: Latent Capability Development	0.000	0.000	1.695	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.695
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, PE 0401134F, LAIRCM, Project 67A037, Latent Capability Development efforts transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), project 67A038, Active Defense Sensor to focus on the development of an upward looking system to ensure aircraft survivability.

A. Mission Description and Budget Item Justification

Latent Capability Development (LCD) develops the Large Aircraft Infrared Countermeasures (LAIRCM) system's ability to detect and defeat a distinct new category of lethal threats and includes updates to the latest modeling and simulation threat models. It provides all support required to update the LAIRCM system hardware, firmware, and software.

Development begins at the AFRL Dynamic Infrared Missile Evaluation (DIME) Lab with support testing of code at the Guided Weapons Evaluation Facility (GWEF) before finally transitioning to Northrop Grumman Corporation (NGC) for inclusion into the LAIRCM software baseline. The LAIRCM system is an evolutionary acquisition program that provides significantly improved defensive systems capability for aircraft to counter the man-portable air-defense systems (MANPADS) missile threat. The system is installed on 54 aircraft variants and over 1200 aircraft.

In FY 2027, LCD efforts transferred to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Advanced Sensors, as the Advanced Capability Development (ACD) major thrust.

Program support cost efforts consist of, but are not limited to, contract services and government costs.

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Latent Capability Development	0.000	1.695	-
Description: Latent Capability Development (LCD) activates a previously prototyped capability of the LAIRCM system to defend against unique threats. This funding provides programmatic support to update the system including hardware, firmware, and software to enable the system's ability to detect and defeat a distinct category of threats. Utilizing the latest threat models, the AFRL DIME, GWEF, and NGC will update detection and defeat software using machine learning, modeling, simulation, and test.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 67A037 / Latent Capability Development			

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
<i>FY 2026 Plans:</i> Latent Capability Development (LCD) activities include an intel threat study, identifying and securing threat models from other agencies, code evaluation against threats, and code updates as needed. Initially activities begin with AFRL Dynamic Infrared Missile Evaluation (DIME), Guided Weapons Evaluation Facility (GWEF), and Northrop Grumman Corporation (NGC). The program office will provide updated threat models to NGC for inclusion into the Digital System Model. LCD activities include complex development of detection and tracking algorithms. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding decrease due to transfer of effort from PE 0401134F, LAIRCM, Budget Activity (BA) 7, Project 67A037, to PE 0401334F, Large Aircraft Survivability Systems (LASS), BA 5, project 67A038, Active Defense Sensor, to focus on development and demonstration of an upward looking system to ensure aircraft survivability.			
Accomplishments/Planned Programs Subtotals	0.000	1.695	-

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 07 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	50.111	-	50.111	70.096	49.785	27.856	28.420	Continuing	Continuing
• RDTE 05 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	17.996	-	17.996	118.913	145.000	0.000	0.000	Continuing	Continuing
• APAF 05 0401134F: Large Aircraft IR Countermeasures (LAIRCM)	52.716	35.165	66.638	0.000	66.638	58.205	60.571	115.577	106.395	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Latent Capability Development and validation efforts are awarded on an annual basis, exercising contract options, funding government led threat analysis, and system effectiveness studies. The initial work will be with AFRL/Dynamic Infrared Missile Evaluator (DIME) Lab and transition to Northrop Grumman Corporation (NGC) for inclusion into the LAIRCM software baseline on the existing LAIRCM contract.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)						Project (Number/Name) 67A037 / Latent Capability Development			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Latent Capability Development and Validation	Various	AFRL/NGC: Rolling Meadows : Rolling Meadows, IL	-	-		1.695	Mar 2026	-		-		-	0.000	1.695	-
Subtotal			-	-		1.695		-		-		-	0.000	1.695	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		1.695		-		-		-	0.000	1.695	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)								Project (Number/Name) 67A037 / Latent Capability Development			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)	Project (Number/Name) 67A037 / Latent Capability Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Latent Capability Development (LCD)				
LCD	2	2026	4	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 67A038 / Active Defense Sensor			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
67A038: Active Defense Sensor	0.000	0.000	7.529	12.323	0.000	12.323	20.000	15.000	0.000	0.000	0.000	54.852
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2027, PE 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 67A038, Active Defense Sensor transferred the Multi-Threat Mid-Wave (MW) Infrared Sensor activities to PE 0401334F, Large Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor for greater transparency and development of the Multi-Threat MW Infrared Sensor.												
A. Mission Description and Budget Item Justification The Large Aircraft Infrared Countermeasures (LAIRCM) system is an evolutionary acquisition program that provides significantly improved defensive systems capability for DoD aircraft to counter the man-portable air-defense systems (MANPADS) missile threat. The system is currently installed on 54 aircraft types and over 1,200 aircraft. The current LAIRCM system configuration consists of missile warning sensors (MWS), a laser transmitter assembly, control interface unit and processors to detect, track, jam and counter incoming missiles. The number of sensors and transmitter assemblies per aircraft is determined by the size and signature of the aircraft. The system is fully autonomous following system power-up. LAIRCM requirements are documented in the multi-command LAIRCM Operational Requirements Document (ORD) 314-92, validated on 03 Aug 1998. The Active Defense Sensor (ADS) will provide sensing and cueing of threats, which is anticipated to employ a version of a long-range Radio Frequency (RF) defense sensor to provide long range sensing and cueing of threats. ADS will enhance existing High Value Airborne Asset survivability to detect and employ new tactics against an expanded category of threats. Anticipated efforts include, but are not limited to hardware and software upgrade, development, and integration; prototyping; testing of the sensor as it integrates into a modular system of systems approach to maintain defensive capability against new and emerging threats. In FY 2027, the Hostile Fire Indication/Laser Warning (HFI/LW) efforts were transferred from Project 674942, LAIRCM to Project 67A038, Active Defense Sensor to continue the development of capabilities for the LAIRCM system. ADS continues development of the Multi Threat Mid-Wave (MW) Infrared (IR) Sensor, a new MWS for the LAIRCM system. The Multi-Threat MW IR sensor will increase the effectiveness of the LAIRCM system by providing aircrews with enhanced detection capabilities against small arms fire, rocket-propelled grenades, anti-aircraft fire, and laser-guided munitions. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Active Defense Sensor									-	7.529	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)	Project (Number/Name) 67A038 / Active Defense Sensor		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Active sensor that receives a cue from the Long Range Detect Sensor (LRDS) then locates a potential threat and generates range information. It maintains custody of the target until the processor validates it as a real threat. The ADS then provides the processor with the necessary range data to determine the optimal launch time for an effector. Following launch, the ADS guides the effector by transmitting coordinates and range information, a process that requires it to continuously send and receive signals from both the effector and the target to ensure a successful engagement. This will significantly increase situational awareness for operators and provide the high-fidelity data necessary to update threat models, ensuring they accurately account for new and emerging adversary capabilities. FY 2026 Plans: Award multiple Other Transaction Agreement (OTA) prototype development agreements and begin sensor development, maturing the system for physical demonstration. This involves hardware/software design studies, requirements refinement, sensor development, implementing modular scalable architecture, and conceptual modeling. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to transfer of Active Defense Sensor development activities from PE 0401134F, LAIRCM, Project 67A038, Active Defense Sensor, to PE 0401334F, LASS, Project 67A038, Active Defense Sensor.				
Title: Multi-Threat Mid-Wave (MW) IR Sensor Description: Development of hardware, software, integration, and test of an upgraded downward looking Multi-threat Mid Wave (MW) IR sensor to provide new capabilities for aircrew awareness of multiple threats including laser warning, small arms fire, rifle propelled grenades, anti-aircraft fire, and small un-manned aerial systems (drones). The upgraded sensors are planned to enter production in FY 2029. FY 2027 Plans: Capability upgrade effort with Northrop Grumman to develop improved sensor to enable Hostile Fire Indication/Laser Warning capabilities including analysis, specification development, planning of all sensor/system development activities, and material procurement to support test article fabrication. FY 2026 to FY 2027 Increase/Decrease Statement: funding increase due to transfer of Hostile Fire Indication/Laser Warning (HFI/LW) capability development efforts from Project 674942, LAIRCM, to Project 67A038, Active Defense Sensor.		-	-	12.323
Accomplishments/Planned Programs Subtotals		-	7.529	12.323

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)				Project (Number/Name) 67A038 / Active Defense Sensor				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 07 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	50.111	0.000	50.111	70.096	49.785	27.856	28.420	Continuing	Continuing	
• RDTE 05 0401334F: Large Aircraft Survivability Systems (LASS)	0.000	0.000	17.996	0.000	17.996	118.913	145.000	0.000	0.000	Continuing	Continuing	
• APAF 05 0401134F: Large Aircraft IR Countermeasures (LAIRCM)	52.716	35.165	66.638	0.000	66.638	58.205	60.571	115.577	106.395	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
In FY 2027, for Multi-Threat MW IR sensor development, the DAF intends to award a sole-source task order from the existing Indefinite Delivery, Indefinite Quantity (IDIQ) contract for LAIRCM.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)						Project (Number/Name) 67A038 / Active Defense Sensor			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Active Defense Sensor	C/FFP	AFLCMC/ESY : Robins AFB, GA	-	-		7.529	May 2026	-		-		-	Continuing	Continuing	-
Multi-Threat Mid-Wave IR Sensor	SS/TBD	Northrop Grumman Corp. : Rolling Meadows, IL	-	-		-		12.323	Jun 2027	-		12.323	Continuing	Continuing	-
Subtotal			-	-		7.529		12.323		-		12.323	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		7.529		12.323		-		12.323	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)						Project (Number/Name) 67A038 / Active Defense Sensor			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Active Defense Sensor (ADS)																												
ADS																												
Multi-Threat MW IR Sensor																												
Development																												
Test & Integration																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401134F / Large Aircraft IR Countermeasures (LAIRCM)	Project (Number/Name) 67A038 / Active Defense Sensor

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Active Defense Sensor (ADS)				
ADS	2	2026	4	2026
Multi-Threat MW IR Sensor				
Development	2	2026	3	2028
Test & Integration	1	2028	2	2029

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401218F / KC-135s							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.678	0.000	121.742	0.000	121.742	106.043	87.791	0.000	0.000	0.000	325.254
675261: KC-135 Upgrades	0.000	9.678	0.000	121.742	0.000	121.742	106.043	87.791	0.000	0.000	0.000	325.254
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0401218F, project 675261, Very Low Frequency (VLF) Roll-on/Roll-off (RORO), is a new start.

A. Mission Description and Budget Item Justification

The KC-135 program supports global aerial refueling operations through 2050 and beyond. The KC-135 is the only fully operational tanker in the Air Force inventory and the oldest fleet by average age. In FY 2024, USAF C/KC-135s offloaded 70,727,162 gallons of fuel to refuel 36,515 aircraft in support of global operations. As a cargo aircraft, the C/KC-135 can carry six (6) standard 463-L pallets. RDT&E efforts include but are not limited to Mobile User Objective System, COMM2 Crypto & Data, High Frequency Modernization, and Center Console Refresh.

Funding provides for C/KC-135 Operational System Development efforts include but not limited to Mobile User Objective System (MUOS) integration, Center Console Refresh (CCR), High Frequency (HF) Modernization, COMM2 Crypto and Data, Mobility Air Forces (MAF), Hybrid SATCOM, and support for demonstrations, operational assessments, exercises, test and evaluation, and airworthiness to quantify the effectiveness of temporary and permanent solutions.

Mobile User Objective System (MUOS) integration and test for MUOS-capable radios on Block 45 aircraft in the COMM 3 position with Beyond Line-of-Sight (BLOS) Integrated Waveform (IW) and LOS SATURN capability with HAVE QUICK II backward compatibility. The C/KC-135 fleet must comply with the National Security Agency (NSA) mandate or will lose secure communications, which significantly degrades its ability to support worldwide operations. The ARC-210 Gen 3 radios have Diminishing Manufacturing Sources and Material Shortages (DMSMS) and will become obsolete on the Cryptographic Equipment Authorized for Secure Keying (CEASEKEY) date. Requirements include AMC's 10-050 Crypto, 15-046 MUOS, 16-053 SATURN, and 17-039 IW. This modification is part to the USAF Radio and Crypto Modernization Plan (RCMP) for crypto modernization as directed by CSAF in Nov 2022 and DoW Chief Information Officer (CIO) in 2016.

Center Console Refresh (CCR) replaces the Flight Display System (FDS) and Fuel System (FS), and Flight Computer/Integrated Processing Center (IPC) that are facing parts obsolescence issues and will render the aircraft non mission capable. Additionally, the program includes the auto-throttles requirement. The Integrated Fuel Management Panel (IFMP) and Fuel Management Advisory Computer (FMAC) are no longer procurable with limited repair capability. The Multi-Function Displays (MFD) are out of production with a limited cache of Liquid Crystal Display (LCD) glass. The A11 card within the Control Display Unit (CDU) is obsolete and no repair capability exists at this time. Current organizational maintenance cannibalization efforts and repair contracts have extended the service life and reduced fleet impacts from original projections.

High Frequency (HF) Modernization includes integration and test to replace legacy HF radio with a modernized HF radio on C/KC-135 aircraft. A modernized HF communications capability is necessary to enable future sustainability and growth to operate in satellite communications (SATCOM) denied environment while

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0401218F I KC-135s	
maintaining global, secure voice and data between Mobility Air Forces (MAF) aircraft and command and control (C2) agencies to exchange classified information and require AMC 18-100 Modernized HF. This modification is part of the USAF RCMP for crypto modernization as directed by CSAF in Nov 2022 and DoW CIO in 2016. COMM2 Crypto and Data replaces the legacy Airborne Radio Communications (ARC)-210 Generation (Gen) 3 and Very High Frequency (VHF) Data Link (VDL)-2000 systems in the Communications (COMM) 2 position. The ARC-210 Gen 3 is replaced with the ARC-210 Gen 6, providing modern cryptographic Line-of-Sight (LoS) secure voice, Second Generation Anti-jam Tactical UHF Radio for NATO (SATURN) capability, and HAVE QUICK II backward compatibility through 2040. The VDL-2000 is replaced with the VHF-4000(E), enhancing COMM 2 civil data links. After the ARC-210 Gen 3's Cryptographic Equipment Authorized for Secure Keying (CEASEKEY) date, continued use risks mission degradation due to unsecure voice/data communications, loss of anti-jam capabilities, and limited legacy radio maintenance support jeopardizes critical air refueling and communication support for global operations. COMM2 Crypto and Data enables tankers to connect to the Joint fight to close kill chains and logistics chains. Possible capabilities include, but are not limited to, intelligent gateways, antennas, radios, software updates, crew displays, and multiple aperture array housings. MAF connectivity enables tankers to connect to the Joint fight to close kill chains and logistics chains. Possible capabilities include, but are not limited to, intelligent gateways, antennas, radios, software updates, crew displays, and multiple aperture array housings. Lays functional baseline and initial EMD for MAF NEXUS towards the next program increment. Hybrid SATCOM capability for airborne platforms relies on the employment of multi-band, multi-orbit SATCOM terminals to switch between both Government and Commercial satellites. Hybrid SATCOM terminals will provide airborne platforms with secure tactical communications by offering switching between five to ten distinct constellations. This flexibility of connectivity provides a high resiliency against anti-SATCOM threats, including jamming. The ability to selectively move between different satellite constellations (LEO/MEO/HEO/GEO) leverages the strengths of each constellation while the ability to switch between constellations within the Ku and Ka bands offers security of communications. This capability also enables tankers to connect to the Joint fight to close kill chains and logistics chains. Possible capabilities include, but are not limited to, intelligent gateways, antennas, radios, software updates, crew displays, and multiple aperture array housings. The Color Weather Radar program replaces the WXR-701 system, a Rockwell Collins product, that is experiencing insurmountable Diminishing Manufacturing Source and Material Shortages (DMSMS). Rockwell Collins has provided a discontinuing of repair letter to the supply chain regarding the WXR-701. The purpose of this program is to identify a Commercial Off the Shelf (COTS) solution for replacement of the WXR-701 Color Weather Radar. The total cost of the Color Weather Radar (CWR) Middle Tier of Acquisition effort is \$302 million, including RDT&E and procurement of prototype units. VLF (Very Low Frequency) - To enhance the nuclear mission survivability of the KC-135 and meet the requirements for survivable communications as outlined in CJCSI 6811.01C, our mission is to integrate a stand-alone VLF Roll-on/Roll-off (RORO) survivable communication system. Development and Test Program - Provides agile test, evaluation, and airworthiness support for rapid technology integration. This program enables operational assessments, exercises, and demonstrations of emerging capabilities to address urgent warfighter needs and modernize legacy platforms under accelerated timelines. The FY 2026 spend plan amount for RDT&E includes \$0 thousand of discretionary and \$43,000 thousand of mandatory (reconciliation) for a total of \$43,000 thousands.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401218F I KC-135s				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		9.899	0.000	0.000	0.000	0.000
Current President's Budget		9.678	0.000	121.742	0.000	121.742
Total Adjustments		-0.221	0.000	121.742	0.000	121.742
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.221	0.000			
• Other Adjustments		0.000	0.000	121.742	0.000	121.742
Change Summary Explanation						
FY 2025 budget request decreased by \$0.221 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Very Low Frequency (VLF) Roll-on/Roll-off (RORO)				0.000	0.000	11.700
Description: To enhance the nuclear mission survivability of the KC-135 and meet the requirements for survivable communications as outlined in CJCSI 6811.01C, our mission is to integrate a stand-alone VLF RORO survivable communication system. This system will be in the cargo compartment and must bridge the gap to the flight deck by developing a reliable and effective alert system to ensure the air crew is immediately notified of incoming, time-sensitive Emergency Action Messages, guaranteeing timely reception and action in support of critical nuclear operations.						
FY 2026 Plans:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401218F / KC-135s		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
FY 2027 Plans: Initial program office actions to include but not limited to executing EMD activities for the integration of a VLF RoRo solution onto the KC-135 to support STRATCOM communication requirements.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to new EMD program activities to integrate a VLF RoRo capability.				
Title: KC-135 MUOS radio Description: The KC-135 COMM 3 position requires an upgraded radio with MUOS (Mobile User Objective System), IW (Integrated Waveform), SATURN (Second-generation Anti-jam Tactical UHF Radio for NATO) capabilities and BLOS and LOS secure voice and data connectivity. This upgrade derives from an NSA cryptographic modernization mandate and DoW MUOS/ SATURN transition directive. The KC-135 MUOS radio program replaces the existing ARC-210 Gen 3 radio with a cryptographic modernized, MUOS-capable, ARC-210 Gen 6 radio. Integration of this new radio requires remote control unit, high power amplifier, low noise amplifier, SATCOM antenna, software and associated wiring and hardware. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A		0.030	0.000	0.000
Title: Hybrid SATCOM Description: Hybrid SATCOM capability for airborne platforms relies on the employment of Multi-Band, Multi-Orbit SATCOM terminals to switch between different government and commercial constellations. Capabilities using the KC-135 to develop MAF Connectivity path forward as the tanker needs to be able to connect to the Joint fight to close kill chains and logistics chains. Possible capabilities include, but are not limited to, intelligent gateways, antennas, radios, software updates, crew displays, and multiple aperture array housings. Lays functional baseline and initial EMD for MAF NEXUS towards the next program increment. This effort is not a new start, Hybrid SATCOM funding provided in the FY 2026 RDT&E mandatory (reconciliation) spend plan. FY 2026 Plans:		0.000	0.000	47.553

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401218F / KC-135s		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
FY 2027 Plans: Continue EMD activities to include but not limited to EMD testing (Configuration Control board-Allocated and Configuration Control Board-Production). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of EMD activities to support SIL testing, Developmental Test/Operational Test and software release.				
Title: Color Weather Radar (CWR) Description: The current WXR-701 Color Weather Radar is experiencing Diminishing Manufacturing Source and Material Shortages (DMSMS) issues. The program will replace five components of the obsolete WXR-701 Color Weather Radar to provide weather information to air crew members. This effort is not a new start, Color Weather Radar funding provided in the FY 2026 RDT&E mandatory (reconciliation) spend plan. FY 2026 Plans: N/A FY 2027 Plans: Continuation of EMD testing, integration and award of EMD contract via Other Transaction Authority (OTA) agreement for a rapid prototyping. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp of contracting activities to support Program Office Estimate (POE) and EMD OTA contract award.		0.000	0.000	27.737
Title: Development and Test Support Description: This effort provides comprehensive test and evaluation (T&E) support for a range of activities critical to fielding new capabilities. It serves as the primary engineering and logistics enabler for demonstrations, operational assessments, formal test events, and exercises. The scope includes the rapid integration of emerging commercial and government-developed technologies onto legacy aircraft, requiring agile and innovative approaches to airworthiness and certification. A key function of this program is to quantify the operational effectiveness and suitability of both temporary "roll-on/roll-off" solutions and permanent platform modifications through a cycle of developmental testing (DT), operational testing (OT), and thorough assessments of system performance, safety, and electromagnetic compatibility (EMC). This effort supports Test and Evaluation Master Plans (TEMPs), Test Information Sheets (TIS), Airworthiness plans, and risk acceptance memorandums to support expedited fielding authorities.		0.561	0.000	12.796

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401218F / KC-135s		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
FY 2026 Plans: N/A				
FY 2027 Plans: Plans include contracting and test and evaluation activities to support emerging and other rapid acquisition initiatives.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of test and evaluation activities with multiple test squadrons.				
Title: Center Console Refresh Description: Center Console Refresh (CCR) replaces the Flight Display System (FDS) and Fuel System (FS), and Flight Computer/Integrated Processing Center (IPC) that are facing parts obsolescence issues and will render the aircraft non mission capable. Additionally, the program includes the autothrottles requirement. The Integrated Fuel Management Panel (IFMP) and Fuel Management Advisory Computer (FMAC) are no longer procurable with limited repair capability. The Multi-Function Displays (MFD) are out of production with a limited cache of Liquid Crystal Display (LCD) glass. The A11 card within the Control Display Unit (CDU) is obsolete and no repair capability exists at this time. Current organizational maintenance cannibalization efforts and repair contracts have extended the service life and reduced fleet impacts from original projections. FY 2026 Plans: N/A FY 2027 Plans: Contracting activities for Source Selection for EMD contract award. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of contracting activities for EMD contract award.		3.467	0.000	7.956
Title: COMM2 Crypto and Data Program Description: Replaces the legacy Airborne Radio Communications (ARC)-210 Generation (Gen) 3 and Very High Frequency (VHF) Data Link (VDL)-2000 systems in the Communications (COMM) 2 position. The ARC-210 Gen 3 is replaced with the ARC-210 Gen 6, providing modern cryptographic Line-of-Sight (LoS) secure voice, Second Generation Anti-jam Tactical UHF Radio for NATO (SATURN) capability, and HAVE QUICK II backward compatibility through 2040. The VDL-2000 is replaced with the VHF-4000(E), enhancing COMM 2 civil data links. After the ARC-210 Gen 3's Cryptographic Equipment Authorized for Secure Keying (CEASEKEY) date, continued use risks mission degradation due to unsecure voice/data communications, loss of anti-jam capabilities, and limited legacy radio maintenance support. This will jeopardize critical air refueling and communication support for global operations.		5.590	0.000	2.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0401218F / KC-135s						

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
<i>FY 2026 Plans:</i> N/A			
<i>FY 2027 Plans:</i> Enable DT/OT testing completion and Configuration Control Board-Production certification support.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased due to expanded EMD contracting activities to include DT/OT and CCB-P.			
<i>Title:</i> MAF Connectivity <i>Description:</i> Capabilities using the KC-135 to develop MAF Connectivity path forward as the tanker needs to be able to connect to the Joint fight to close kill chains and logistics chains. Possible capabilities include, but are not limited to, intelligent gateways, antennas, radios, software updates, crew displays, and multiple aperture array housings. Lays foundational baseline.	0.030	0.000	12.000
<i>FY 2026 Plans:</i> N/A			
<i>FY 2027 Plans:</i> Continue with EMD testing and development of Increment 2 capabilities.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased due to ramp up of EMD contracting activities to support MAF Connectivity Incremental 2 development.			
Accomplishments/Planned Programs Subtotals	9.678	0.000	121.742

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 C13500: C-135	164.638	205.403	208.144	-	208.144	446.204	460.322	523.016	307.749	2,257.003	4,572.479
• APAF 06 C13500: <i>Initial Spares</i>	3.219	4.839	7.958	-	7.958	27.430	31.613	32.552	7.809	0.000	115.420
Remarks											
E. Acquisition Strategy											
C/KC-135 MUOS acquisition strategy addresses cryptographic modernization mandates and DoW directives by executing a 39-month Sole Source, Cost Plus Fixed Fee EMD contract followed by a three-year production and installation effort. Major Events/ Milestone: Prototype install on Aircraft Number 1 April 15th, 2025 - April 25th, 2025, Prototype install on Aircraft Number 2 April 26th, 2025 - May 3rd, 2025, Combined DT/OT Effort May 3rd, 2025 - October 19th, 2025, Black Label Release December 9, 2025, Milestone C April, 2026, Installation Q1 of FY 2027 - Q1 of FY 2030. Current as of 9 December 2025.											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0401218F / KC-135s	
Color Weather Radar - Acquisition Strategy is to award a 12-month EMD contract via competitive procedures under an OTA. Preliminary Design Review is scheduled for 3Q FY 2026 and Critical Design Review is scheduled for 4Q FY 2026. Following a Rapid prototyping phase, a Low-Rate-Initial Production (LRIP) for 12 assets will be initiated in conjunction with a follow-on Rapid Production contract. Prototype installs are projected to start 1Q FY 2027, DT/OT immediately after. Production of the 315 CWRs will start 3Q FY 2027. Center Console Refresh addresses obsolescence issues in the C/KC-135 flight deck and fuel management system through a competitively awarded development contract followed by a production and install effort. Major Events/Milestones: Contract award Q3 of FY28; Preliminary Design Review Q2 FY 2029; Critical Design Review Q3 of FY 2029. High Frequency Modernization (HFM) addresses obsolescence issues for the KC-135 HF Radio by replacing the ARC-190 HF Radio with the ARC-260 HF Radio. Major events: ESIS completed Q2 of FY 2024; DT 1 completed Q3 of FY2 2024; DT completed Q3 of FY 2025; DT2 Q2 FY26; OT Q4 FY26; Product CCB Q1 of FY 2027; MS-C Q1 of FY 2027. COMM2 Crypto & Data acquisition strategy addresses crypto modernization mandates and DoW directives by executing a 23-month Sole Source, Cost Plus Fixed Fee EMD contract followed by a 15-month production and installation effort. - Integration & Test timeline: 23 Apr 2025 to 23 Mar 2027, PDR/CDR: Q1 of FY 2026, Development Test & Evaluation: Q1 of FY 2027, Operational Test & Evaluation: Q2 of FY 2027, Black Label Release: Q2 of FY 2027, Milestone C: Q3 FY 2027, Installations: Q4 of FY 2027 to Q2 of FY 2030, Operations & Sustainment: Q3 of FY 2030. MAF Connectivity delivers connectivity solutions for C/KC-135 crews increasing their situational awareness and ability to communicate on the battle field. This effort utilizes a competitively awarded contract to develop connectivity solutions. Major Events/Milestones: ASP approved on 30 Oct 2024; OTA contract awarded 18 Jun 25; Increment 1 First prototype installation Q2FY26; Increment 1 DT/OT occurs Q2FY26-Q3FY26. Hybrid SATCOM delivers resilient, multi orbit SATCOM solutions for the KC-135. This program will utilize a competitively awarded to contract to develop prototypes. Major Events/Milestones: ASP approved on 30 Oct 2024; OTA contract awarded 18 Jun 25; Increment 2 First prototype installation Q1FY27; Increment 2 DT/OT occurs Q2FY27. Multi Sensor: Acquisition Strategy includes selection of passive EO/IR sensor, prototype associated hardware/software, evaluate integration. EN task for HW evaluation SW test interface development, awarded 18 Feb 2025; 15-Month evaluation/integration effort, awarded 21 Apr 2025. VLF RoRo: The acquisition strategy for VLF RoRo is currently being drafted. The estimated completion date for the acquisitions strategy is 30 Oct 26.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401218F / KC-135s				Project (Number/Name) 675261 / KC-135 Upgrades					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
VLF RORO	TBD	Not specified. : TBD	-	-		-		11.700	May 2027	-		11.700	Continuing	Continuing	-
COMM 2 Crypto and Data Radio Product Development (Integration & Test)	SS/CPFF	Collins Aerospace : Cedar Rapids, IA	-	5.590	Apr 2025	-		2.000	Jan 2027	-		2.000	0.000	7.590	-
MAF Connectivity	C/FFP	Not specified. : TBD	-	0.030	Mar 2026	-		12.000	Oct 2026	-		12.000	0.000	12.030	-
Color Weather Radar (CWR)	C/FFP	Not specified. : TBD	-	0.000	May 2026	-		27.737	Jan 2027	-		27.737	0.000	27.737	-
Hybrid SATCOM	C/FFP	Not specified. : TBD	-	0.000	Mar 2026	-		47.553	Mar 2027	-		47.553	Continuing	Continuing	-
Subtotal			-	5.620		-		100.990		-		100.990	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MUOS Support	Various	Not specified. : TBD	-	0.030		-		-		-		-	0.000	0.030	-
CCR (Travel)	Various	Not specified. : TBD	-	0.000		-		0.020		-		0.020	Continuing	Continuing	-
Subtotal			-	0.030		-		0.020		-		0.020	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development and Test Support	PO	Not specified. : TBD	-	0.561		-		12.796		-		12.796	Continuing	Continuing	-
Multi Sensor Test	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	0.000	0.000	-
Subtotal			-	0.561		-		12.796		-		12.796	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401218F / KC-135s				Project (Number/Name) 675261 / KC-135 Upgrades					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CCR Dir Cite Auth Civ Pay	Various	System Program Office : Tinker AFB, OK	-	3.467	Oct 2024	0.000	Oct 2025	2.424	Oct 2026	-		2.424	0.000	5.891	-
CCR PSC	Various	System Program Office : Tinker AFB, OK	-	0.000	Feb 2025	0.000	Feb 2026	5.512	Feb 2027	-		5.512	0.000	5.512	-
Subtotal			-	3.467		0.000		7.936		-		7.936	0.000	11.403	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.678		0.000		121.742		-		121.742	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0401218F / KC-135s

Project (Number/Name)

675261 / KC-135 Upgrades

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Color Weather Radar (CWR)																												
Contract Award, EMD, and Test																												
KC-135 MUOS Radio																												
EMD, Test, and MS C																												
COMM 2 Crypto and Data																												
Contract award, EMD and Test																												
Center Console Refresh (CCR)																												
Contract award, EMD and Test																												
MAF Connectivity																												
Contract award, EMD/Integration/Test/Research																												
Multi Sensor																												
Contract award, Integration/Test/Research																												
Hybrid SATCOM																												
EMD/Integration/Test/Research																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401218F / KC-135s	Project (Number/Name) 675261 / KC-135 Upgrades	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Color Weather Radar (CWR)				
Contract Award, EMD, and Test	1	2026	4	2027
KC-135 MUOS Radio				
EMD, Test, and MS C	1	2025	3	2026
COMM 2 Crypto and Data				
Contract award, EMD and Test	3	2025	2	2027
Center Console Refresh (CCR)				
Contract award, EMD and Test	3	2028	3	2029
MAF Connectivity				
Contract award, EMD/Integration/Test/Research	3	2025	1	2027
Multi Sensor				
Contract award, Integration/Test/Research	4	2025	4	2025
Hybrid SATCOM				
EMD/Integration/Test/Research	3	2025	2	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401318F / CV-22							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	204.048	25.549	31.544	45.699	0.000	45.699	21.443	20.674	21.066	21.493	Continuing	Continuing
676033: CV-22 RDT&E POST PRODUCTION	204.048	25.549	31.544	45.699	0.000	45.699	21.443	20.674	21.066	21.493	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 212 Project MDAP/MAIS Code(s): N42												
A. Mission Description and Budget Item Justification												
The CV-22 is the Air Force Special Operations Forces (SOF) variant of the joint multi-mission V-22 tilt rotor aircraft. The CV-22 provides long-range, high-speed infiltration, exfiltration, personnel recovery, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the Joint V-22 program. The Joint Program Manager is responsible for managing all variants of the V-22. Department of the Navy (DoN) funds the development of the MV-22 and CMV-22. The Air Force funds the service common portion of the CV-22 while United States Special Operations Command (USSOCOM) funds the development and procurement of SOF peculiar systems. CV-22 RDT&E funding provides for the development, integration, and testing of service-common, mission critical aircraft modifications to improve operational effectiveness, platform survivability, and aircraft availability. Airframe Enhancements: RDT&E funds design, development, and testing of improvements to airframe structures, aircraft electro-mechanical and hydraulic hardware, and dynamic components to counteract the effects of structural fatigue and improve the durability and readiness of V-22 aircraft. Refinement of aircraft system's components to improve longevity and/or maintainability while protecting their performance are meant to allow continued CV-22 operation as the aircraft ages. Enhanced Self-Deployment: RDT&E funding provides for the design, development, and testing of aircraft modifications to improve aircraft self-deployment capabilities (e.g. operating range, global response time) to mitigate emerging threats to the aircraft and mission accomplishment, and to identify and assess emerging air vehicle, propulsion system, avionics architecture, electronic warfare, situational awareness, and other weapon system solutions to meet CV-22 capability, reliability and survivability operational requirements. CV-22 funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. This funding may include emerging requirements to support Program Support Costs (PSC), Advisory and Assistant Service (A&AS), system integration lab, trainers, equipment and other government costs. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401318F I CV-22				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		26.249	0.653	0.000	0.000	0.000
Current President's Budget		25.549	31.544	45.699	0.000	45.699
Total Adjustments		-0.700	30.891	45.699	0.000	45.699
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.700	-0.009			
• Other Adjustments		0.000	30.900	45.699	0.000	45.699
Change Summary Explanation						
FY 2025 budget request decreased by \$0.700 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
FY 2026 funding request increased by a total of \$30.891 million due to an increase of \$30.900 million for Reconciliation funding incongruence and a \$0.009 million decrease for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Airframe Enhancement				24.941	25.705	28.207
Description: RDT&E Airframe Enhancements funds design, development, and testing of the improvement of airframe structures, aircraft electro-mechanical hardware, and dynamic components to counteract the effects of structural fatigue and improve the durability and readiness of V-22 aircraft to include design, development, and testing of V-22 Flight Control System (FCS) and Display As A Service (DAAS). This RDT&E funding provides for the design, development, and testing of redesign support or loadbearing airframe elements to provide structural reinforcement and improved longevity. Enhanced armor protective performance with reduced weight and space impacts. Airframe Enhancement funds also provide for refinements of hydraulic, landing gear, or fuel system component to improve and protect their performance. Items such as pumps, lines, tanks/reservoirs/						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401318F / CV-22		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
bladders and/or struts may receive enhancements to extend their life and improve their maintainability. Finally, Airframe Enhancements funds target exploring improvements to all V-22 dynamic components, from rotor blades and heads to gearboxes and flight control surfaces with the goals of protecting them from vibrational and frictional wear and enhancing their reliability and readiness. FY 2026 Plans: Planned projects include but are not limited to Proprotor Gearbox (PRGB), Input Quill, FCS, DAAS, Avionics Airworthiness, obsolescence redesign, and reliability efforts. FY 2027 Plans: Planned projects include but not limited to PRGB, Input Quill, Fuel Cell Yarn, FCS, Obsolescence Redesign and reliability efforts. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to increased design, development and testing activities.				
Title: Enhanced Self-Deployment Capabilities Description: Develops capabilities to enhance self-deployment, such as improved ice protection, engine performance, performance buyback, navigation, communications, and battle space awareness/networking capabilities/airborne mission networking (ABMN), situational awareness; electronic warfare; weapons systems; defensive avionics systems and architecture; weight reduction initiatives; modular avionics/cyber security implementation and other changes to the underlying aircraft systems necessary to enable these capabilities. FY 2026 Plans: Plan projects include but not limited to ABMN, Department of Navy (DoN) Large Aircraft Infrared Countermeasures (LAIRCM) Processor Upgrade (DLPU), and Pylon Conversion Actuator (PCA) FY 2027 Plans: Plan projects include but not limited to ABMN, including Specialized Automated Mission Suite (SAMS) Enhanced Situational Awareness (ESA), and Pylon Conversion Actuator (PCA), FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional obsolescence and developmental efforts.		0.608	5.839	17.492
Accomplishments/Planned Programs Subtotals		25.549	31.544	45.699

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0401318F I CV-22							
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item V02200: CV-22 Mods	45.195	168.713	168.042	-	168.042	142.502	114.123	95.483	69.311	Continuing	Continuing
• APAF 07 C0V220: CV-22 Post Production Support	12.025	0.000	5.088	-	5.088	5.019	5.012	5.147	5.247	Continuing	Continuing
• APAF 06 Line Item 000999: CV-22 Initial Spares/Repair Parts	7.476	3.950	15.376	-	15.376	14.746	10.018	10.208	10.408	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
With the 2025 delivery of final production aircraft CV-22 has transitioned from production into full operations/sustainment phase. Block 20 Mission Computer Obsolescence Initiative (MCOI) modifications completed 4 September 2025 and the future program efforts support reliability, capability, and survivability modifications to the platform											
The V-22 Joint Program Office - Naval Air Systems Command - NAVAIRSYSCOM, PMA-275 is developing new capabilities for the V-22 in block increments.											
Airframe Enhancements and Enhanced Self-Deployment Capabilities RDT&E efforts will utilize a combination of sole source and competitive contracts as needed to maximize resources and efficiency.											
Development Activities for the V-22 program to date have been primarily performed by the prime contractor, Bell-Boeing on a sole-source basis. Bell-Boeing is a strategic partnership between Bell Helicopter and Boeing Integrated Defense Systems. Efforts are underway to continue increasing competition where feasible, depending primarily on the level of platform integration required and Government rights to technical data.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401318F / CV-22				Project (Number/Name) 676033 / CV-22 RDT&E POST PRODUCTION					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
V-22 Airframe Enhancements	Various	Various : TBD	95.387	21.039	Mar 2025	20.156	Jun 2026	22.622	Jun 2027	-		22.622	10.300	169.504	-
CV-22 Osprey Enhanced Self-Deployment Capability	Various	Various : TBD	71.763	0.513	Jun 2025	4.579	Jun 2026	14.029	Jun 2027	-		14.029	47.060	137.944	-
Subtotal			167.150	21.552		24.735		36.651		-		36.651	57.360	307.448	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CV-22 Osprey Engineering Technical Support and Studies	Various	Various : TBD	15.812	0.095	Mar 2025	1.643	Mar 2026	2.090	Mar 2027	-		2.090	5.948	25.588	-
Subtotal			15.812	0.095		1.643		2.090		-		2.090	5.948	25.588	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CV-22 Osprey Test & Evaluation Technical Support	Various	Various : TBD	19.063	2.810	Dec 2024	3.857	Dec 2025	4.288	Dec 2026	-		4.288	3.634	33.652	-
Subtotal			19.063	2.810		3.857		4.288		-		4.288	3.634	33.652	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CV-22 Osprey Program Support Costs	Various	Various : TBD	2.023	1.092	Dec 2024	1.309	Dec 2025	2.670	Dec 2026	-		2.670	1.496	8.590	-
Subtotal			2.023	1.092		1.309		2.670		-		2.670	1.496	8.590	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401318F / CV-22					Project (Number/Name) 676033 / CV-22 RDT&E POST PRODUCTION				
		Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		204.048	25.549		31.544		45.699		-		45.699	68.438	375.278	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0401318F / CV-22		Project (Number/Name) 676033 / CV-22 RDT&E POST PRODUCTION	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Airframe Enhancement																												
Fuel Cell Obsolescence Redesign																												
Airframe Reliability and Obsolescence Replacement																												
Gearbox Vibration Monitoring - HCE - ODSSHI Cockpit Alert																												
Cockpit Obsolescence Replacement																												
Flight Control System Re-design																												
Enhanced Self-Deployment																												
Control Display Unit Keyboard Re-design																												
DAF Battle Network Connectivity																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401318F / CV-22	Project (Number/Name) 676033 / CV-22 RDT&E POST PRODUCTION

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Airframe Enhancement				
Fuel Cell Obsolescence Redesign	1	2025	4	2027
Airframe Reliability and Obsolescence Replacement	1	2025	4	2031
Gearbox Vibration Monitoring - HCE - ODSSHI Cockpit Alert	1	2025	4	2031
Cockpit Obsolescence Replacement	1	2026	4	2031
Flight Control System Re-design	1	2025	4	2031
Enhanced Self-Deployment				
Control Display Unit Keyboard Re-design	1	2025	4	2025
DAF Battle Network Connectivity	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401334F I Large Aircraft Survivability Systems (LASS)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	50.111	0.000	50.111	70.096	49.785	27.856	28.420	Continuing	Continuing
67A038: Active Defense Sensor	0.000	0.000	0.000	50.111	0.000	50.111	70.096	49.785	27.856	28.420	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Due to an inadvertent database error, the FY 2027 funding in this line (R-1 #281) should be in R-1 line #119. The Air Force intended to budget for this funding in R-1 line #119.

In FY 2027, Program Element (PE) 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM, Project 67A037, Latent Capability Development (LCD), and Project, 67A038, Active Defense Sensor efforts and activities for LCD, Long Range Detect Sensor (LRDS), and Active Defense Sensor (ADS) transferred to PE 0401334F, Aircraft Survivability Systems (LASS), Project 67A038, Active Defense Sensor to consolidate large aircraft survivability development.

A. Mission Description and Budget Item Justification

Large Aircraft Survivability Systems (LASS) expands the protection of large aircraft beyond surface-to-air infrared (IR) missile threats to ensure the survivability of the High Value Airborne Assets (HVAA), air-refueling aircraft, and tactical/strategic airlifters against the increasing lethality of long-range enemy threats. LASS will develop and integrate a set of modular, platform-agnostic, scalable, on-board systems of sensors, processors, and effectors to support both on-board and off-board engagement systems. These sensors will look downward and upward to identify threats and provide aircrews a common operating picture and provide non-kinetic and kinetic engagement solutions to defeat threats to US and allied aircraft. Funding will support development and prototyping within a modular, scalable architecture, ensuring the capability can be rapidly upgraded to detect new and emerging threats.

Large aircraft must have the ability to detect, decide, and defeat the enemy threats organically from onboard the aircraft. Multiple sensors will detect threats, processors will decide what threat is inbound and which aircraft is being targeted, and determine which effector is the best option to defeat the threat and provide continuous targeting data to the effector, if necessary. Effector systems may use kinetic and non-kinetic means to defeat the threat.

LASS efforts include, but are not limited to, developing operational hardware and software to improve detection field of view, processing, algorithms, and dynamic tracking to ensure common interfaces for components and early countermeasure engagement.

Project 67A038, Active Defense Sensor continues development on the Long-Range Detect Sensor (LRDS) and Active Defense Sensor (ADS) efforts that began in FY 2026 under PE 0401134F, LAIRCM transferred to the LASS PE 0401334F in FY 2027. These upward looking sensors operate separately from the downward looking LAIRCM sensors to detect different threats. They work together to provide the processor with the detection and ranging data needed for the effector to defeat long-range threats. LRDS is the passive sensor that detects long range threats at significant distances, enhances aircrew situational awareness, and provides early warning of incoming threats. Upon receiving a cue from LRDS, the ADS takes over. ADS locates the target, gathers range information to form a cue-quality track, and maintains custody of the target until the processor determines its validity. If confirmed as a real threat, the processor calculates the You Are The One/You Are Not The One

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401334F I Large Aircraft Survivability Systems (LASS)					
(YATO/YANTO) by fusing the aircraft's own position in time and space with sensor data. The processor then uses the range information from the ADS to determine the optimal moment to launch an effector. Following launch, the ADS will likely need to transmit coordinates and range information to the effector, requiring it to continuously transmit and receive signals from both the target and the effector to ensure a successful engagement.							
Project 67A038, Active Defense Sensor funding provides for Advanced Capability Development to include Latent Capability Development (LCD), software development that integrates the GLTA-101, an advanced upgrade laser turret and Guardian Laser Turret Assembly-101 (GLTA-101) software development. These efforts transferred from PE 0401134F, LAIRCM, Project 674942, LAIRCM. LCD develops the ability for downward looking sensors to detect and defeat a distinct new category of lethal threats and includes updates to the latest modeling and simulation threat models. It provides all support required to update the downward looking system's hardware, firmware, and software. The GLTA-101s are being procured in FY 2027 and being installed on C-17s in FY 2029.							
The requirements for the LRDS, ADS, Processor, and Effector are documented in the validated Platform Agnostic Kinetic Self-Defense (PAKS-D) System Attributes Requirements Document (SARD).							
Program support cost efforts consist of, but are not limited to, contract services and government costs. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.							
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.							
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		0.000	0.000	0.000	0.000	0.000	
Current President's Budget		0.000	0.000	50.111	0.000	50.111	
Total Adjustments		0.000	0.000	50.111	0.000	50.111	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	0.000				
• Other Adjustments		0.000	0.000	50.111	0.000	50.111	
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: Long Range Detect Sensor (LRDS)					-	-	20.637

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0401334F / <i>Large Aircraft Survivability Systems (LASS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Upward looking passive sensor that detects long-range threats at significant distances, enhances aircrew situational awareness, and provides early warning of incoming threats. Sensor development effort involves operational hardware and software to improve detection field of view and dynamic tracking to ensure common interfaces for components and early countermeasures engagement. FY 2027 Plans: Continue prototype development efforts with multiple contractors, conducting design reviews and examining the technical data packages; potentially down selecting vendors at the design review milestone to build a sensor prototype for demonstration and delivery in FY28. Continued Georgia Tech Research Institute (GTRI) technical sensor expertise through prototype demonstration. FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to transfer of efforts from PE 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 674942, LAIRCM.				
Title: Active Defense Sensor (ADS) Description: Upward looking active sensor that receives a cue from the Long Range Detect Sensor (LRDS) then locates a potential threat and generates range information. It maintains custody of the target until the processor validates it as a real threat. The ADS then provides the processor with the necessary range data to determine the optimal launch time for an effector. Following launch, the ADS guides the effector by transmitting coordinates and range information, a process that requires it to continuously send and receive signals from both the effector and the target to ensure a successful engagement. This will significantly increase situational awareness for operators and provide the high-fidelity data necessary to update threat models, ensuring they accurately account for new and emerging adversary capabilities. FY 2027 Plans: Continue prototype development efforts with multiple contractors, conducting design reviews and examining the technical data packages; potentially down selecting vendors at the design review milestone to build a sensor prototype for demonstration and delivery in FY28. Continued Georgia Tech Research Institute (GTRI) technical sensor expertise through prototype demonstration. FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to transfer of efforts from PE 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 67A038, Active Defense Sensor.		-	-	20.742
Title: Advanced Capability Development (ACD) Description: Funds used for, but not limited to, sensor software development. ACD develops the ability for downward looking sensors to detect and defeat a distinct new category of lethal threats and includes updates to the latest modeling and simulation		-	-	8.732

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>						R-1 Program Element (Number/Name) PE 0401334F / <i>Large Aircraft Survivability Systems (LASS)</i>					

C. Accomplishments/Planned Programs (\$ in Millions) threat models. It provides all support required to update the downward looking system's hardware, firmware, and software. This funding will be used for software development to integrate the integrate the Guardian Laser Turret Assembly-101 (GLTA-101) into the LASS baseline. <i>FY 2027 Plans:</i> Expansion of advanced capability development with activities to include but not limited to code development, study integration solution and form, fit, function, and interface changes to improve capability, and validation activities and development efforts with AFRL/Dynamic Infrared Missile Evaluator (DIME) Lab for inclusion into the Large Aircraft Infrared Countermeasures (LAIRCM) software baseline. The Advanced Laser Defeat Software Development effort develops new software to integrate new turret into LASS baseline. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase due to transfer of efforts from PE 0401134F, Large Aircraft Infrared Countermeasures (LAIRCM), Project 67A037, Latent Capability Development.	FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals	-	-	50.111

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 05 0401334F: <i>Large Aircraft Survivability Systems (LASS)</i>	0.000	0.000	17.996	0.000	17.996	118.913	145.000	0.000	0.000	0.000	281.909
Remarks											
E. Acquisition Strategy The Air Force seeks to compete these efforts using a rapid and flexible strategy. The Air Force will begin with an Other Transaction Agreement (OTA) and later transition to a Program of Record. This model is needed to accelerate innovation, reduce technical risk, and provide key insights to inform future acquisition decisions for an advanced modular scalable architecture sensor system. Competition is vital to this strategy as it drives down costs, spurs innovation, and improves product quality.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401334F / <i>Large Aircraft Survivability Systems (LASS)</i>						Project (Number/Name) 67A038 / <i>Active Defense Sensor</i>			

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Active Defense Sensor	C/FFP	AFLCMC/ESY : Robins AFB, GA	-	-		-		20.742	Jun 2027	-		20.742	Continuing	Continuing	-
Long Range Detect Sensor	C/FFP	AFLCMC/ESY : Wright-Patterson AFB, OH	-	-		-		20.637	Jun 2027	-		20.637	Continuing	Continuing	-
Advanced Capability Development	SS/FFP	AFLCMC/ESY : Wright-Patterson AFB, OH	-	-		-		8.732	Jan 2027	-		8.732	Continuing	Continuing	-
Subtotal			-	-		-		50.111		-		50.111	Continuing	Continuing	N/A

	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	-	50.111	-	50.111	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7						PE 0401334F / Large Aircraft Survivability Systems (LASS)						67A038 / Active Defense Sensor			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Active Defense Sensor (ADS)																												
ADS Development																												
Long Range Detect Sensor (LRDS)																												
LRDS Development																												
Advanced Capability Development (ACD)																												
ACD Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401334F / Large Aircraft Survivability Systems (LASS)	Project (Number/Name) 67A038 / Active Defense Sensor	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Active Defense Sensor (ADS)				
ADS Development	3	2027	4	2031
Long Range Detect Sensor (LRDS)				
LRDS Development	3	2027	4	2029
Advanced Capability Development (ACD)				
ACD Development	2	2027	4	2028

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0408011F I Special Tactics / Combat Control							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.146	28.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675138: ST System Development	0.000	9.146	28.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mission Description and Budget Item Justification

Special Tactics (ST) is a human-based weapon system, comprised of both human and equipment capabilities formulated to provide the Air Force and Joint Force with support across the following missions: Global Access, Precision Strike, and Personnel Recovery (PR); with additional focus on Electromagnetic Spectrum Operations (EMSO), Counter-Unmanned Aircraft Systems (UAS), and Ground-based Suppression of Enemy Air Defenses (SEAD). ST is employed by Air Force Special Operations Command (AFSOC) across three distinct operator specialties: Combat Control, Pararescue, and Special Reconnaissance. ST, along with the Guardian Angel and Tactical Air Control Party (TACP) weapon systems, collectively make up Air Force Special Warfare (AFSPECWAR), formerly known as Battlefield Airmen.

Special Warfare Acquisition, Growth and Refresh (SWAGR) is the program of record to develop, integrate, test, procure and field the latest technology and equipment across a wide range of capabilities to ensure AFSPECWAR ST operators can achieve the mission sets outlined above. Specifically, SWAGR delivers modernized capability in the areas of body-worn hardware/software, tactical communications, ground mobility, small UAS, visual augmentation, maritime, special reconnaissance, technical recovery, and assault zones.

Funding will provide for continued software development and modernization of the body-worn kit to enhance situational awareness, communication, information management, and airpower integration for ST operators in the battlespace. These enhancements will improve the ability recognize, identify, range, nominate, and designate targets during both day and night operations. Improvements will also significantly reduce the time required to find, track, fix targets, 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. Funding will also provide for the development and test of emerging technology, and the integration of the latest mature technology into the ST weapon system to conduct mission essential tasks such as improving support to Global Access (through Assault Zone operations and surveys), Precision Strike, PR, Counter-Space, Counter-UAS Operations, Ground-based SEAD, EMSO (to include awareness/defensive/offensive capabilities), and any other ST capability needs. Funding will also support innovation activities to include industry technology demonstrations, prototypes, studies, analyses, engineering support, and requirements definition to accelerate technology transition into future acquisition programs. 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.

The FY 2026 spend plan amount for 0408011F includes \$28,200 thousand of discretionary and \$10,000 thousand of mandatory (reconciliation) for a total of \$38,200.

The FY 2026 funding (\$9.622 Million) and FY2027 funding (\$9.893 Million) for BA 07 Project 0408011F was transferred to BA 07 Project 0207457F.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0408011F I Special Tactics / Combat Control				
0408011F (Special Tactics/Combat Control), received a Congressional add for FY2026 \$28.2 million for Hurricane sUAS (\$25.0 million) and a Rapidly Deployable Surveillance and Precision Landing System (PLS) (\$3.2 Million). Upon Congressional spend plan approval, an Internal Reprogramming (IR) will be processed aligning Hurricane UAS funding to PE 0208201F, BPAC 660192 and PLS funding to PE 0207457F, BPAC 675138 for proper execution.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		9.421	0.000	0.000	0.000	0.000
Current President's Budget		9.146	28.200	0.000	0.000	0.000
Total Adjustments		-0.275	28.200	0.000	0.000	0.000
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	28.200			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-0.275	0.000			
• Other Adjustments		0.000	0.000	0.000	0.000	0.000
Change Summary Explanation						
FY2026 funding (\$9.622 Million) and FY2027 funding (\$9.893 Million) for BA 07 Project 0408011F was transferred to BA 07 Project 0207457F. FY2026 Congressional Add (\$28.200 Million) for sUAS development (\$25.000 Million) and ST development (\$3.200 Million).						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: SWAGR				9.146	28.200	0.000
Description: Special Warfare Acquisition Growth and Refresh (SWAGR) is the program of record to develop, integrate, test, procure and field the latest technology and equipment across a wide range of capabilities in the areas of body-worn hardware/ software, tactical communications, ground mobility, small UAS, visual augmentation, maritime, special reconnaissance, technical recovery, and assault zones. SWAGR provides for the development and test of emerging technology, and the integration of the latest mature technology into the Special Tactics (ST) weapon system to conduct mission essential tasks such as improving						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>						

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
support to Global Access (through Assault Zone operations and surveys), Precision Strike, PR, Counter-Space, Counter-UAS Operations, Ground-based SEAD, EMSO (to include awareness/defensive/offensive capabilities), and any other ST capability needs. <i>FY 2026 Plans:</i> FY2026 funding (\$9.622 Million) for BA 07 Project 0408011F was transferred to BA 07 Project 0207457F. FY2026 Congressional Add (\$28.200 Million) for sUAS development (\$25.000 Million) and ST development (\$3.200 Million). <i>FY 2027 Plans:</i> FY2027 budget plans can be found in BA 07 Project 0207457F (675138-ST System Development). <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> FY2026 funding (\$9.622 Million) and FY2027 funding (\$9.893 Million) for BA 07 Project 0408011F was transferred to BA 07 Project 0207457F.			
Accomplishments/Planned Programs Subtotals	9.146	28.200	0.000

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 Line Item 837100: <i>Tactical C-E Equipment</i>	24.814	20.549	21.395	-	21.395	26.848	40.626	41.432	-	Continuing	Continuing
• OPAF 04 Line Item 842990: <i>Personal Safety and Rescue Equipment</i>	5.058	4.599	3.680	-	3.680	5.292	14.565	14.854	-	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
Special Warfare Acquisition Growth and Refresh (SWAGR) awarded a competitive Systems Engineering and Integration contract in May FY 2023 to continue development and modernization of the software on the body worn kit from the prior machine-to-machine (M2M) software development contract. This effort includes system engineering, design, integration, and fielding support for M2M software. The above efforts may change based on the need to support current Air Force mission requirements. Program management for the SWAGR program is under direction of the Program Executive Office Intelligence, Surveillance, Reconnaissance (ISR) and Special Operations Forces (SOF), Air Force Life Cycle Management Center (AFLCMC) Air Force Materiel Command, at Wright-Patterson Air Force Base, Ohio. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat C ontrol</i>				Project (Number/Name) 675138 / <i>ST System Development</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ST System Development	C/Various	Various : Various	-	2.516	Dec 2024	3.200	Dec 2025	-		-		-	Continuing	Continuing	-
Systems Engineering and Integration	C/CPFF	General Dynamics IT : Dayton, OH	-	3.640	Oct 2024	-		-		-		-	Continuing	Continuing	-
sUAS Development	TBD	TBD : TBD	-	-		25.000		-		-		-	Continuing	Continuing	-
Subtotal			-	6.156		28.200		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	WR	TBD : WP AFB, OH	-	1.500	Oct 2024	-		-		-		-	Continuing	Continuing	-
DCA Civilian Pay	WR	TBD : Hurlburt Field, FL	-	0.840	Oct 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	2.340		-		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Agency Support	Various	46 TS : Eglin AFB, FL	-	0.250	Jan 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.250		-		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	Various : Various, NV	-	0.400	Dec 2024	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.400		-		-		-		-	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>					Project (Number/Name) 675138 / <i>ST System Development</i>				
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	-	9.146		28.200		-		-		-	Continuing	Continuing	N/A	

Remarks
Beginning in FY26 this funding is reported in BA 07 Project 0207457F.

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>		Project (Number/Name) 675138 / <i>ST System Development</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ST System Development																												
SWAGR																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>	Project (Number/Name) 675138 / <i>ST System Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>ST System Development</i>				
SWAGR	1	2025	4	2031

Note
Beginning in FY26 this funding is reported in BA 07 Project 0207457F.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0708610F I Logistics Information Technology (LOGIT)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	11.665	18.326	21.518	0.000	21.518	21.904	23.408	25.193	27.152	Continuing	Continuing
675207: Logistics IT System Modernization	0.000	11.665	18.326	21.518	0.000	21.518	21.904	23.408	25.193	27.152	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0708610F, project 675207, Integrated Logistics System-Supply (ILS-S), is a new start.
This program, BA 7, PE 0708610F, project 675207, Enterprise Logistics Management System (ELMS), is a new start.

A. Mission Description and Budget Item Justification

- LOGIT is a portfolio of programs enabling the DAF logistics enterprise including aircraft maintenance, base-level supply operations, and the authoritative source for all DAF items for aircraft and vehicles. The DAF logistics enterprise is currently comprised of disparate, antiquated, stovepiped systems and processes leaving logistics operations inefficient, costly, and vulnerable. The goal of this portfolio is to modernize the logistics IT enterprise for a more efficient, cost-effective, integrated, standardized, and resilient suite of systems. These systems will also incorporate the latest in cybersecurity measures and meet the statutory IT compliance requirements including Financial Improvement and Audit Readiness (FIAR). The DAF logistics enterprise is comprised of multiple overarching functional areas to include field-level maintenance, end-to-end supply chain management, and DAF item cataloging and provisioning. The current programs within this PE include: Enhanced Technical Information Management System (ETIMS), Foundational Logistics Information Technology Enterprise System (FLITES), Supply Capability Initiative (SCI), Integrated Logistics System-Supply (ILS-S), Enterprise Logistics Management System (ELMS), and Field Maintenance (Field Mx).

- ETIMS is the system of record for all Technical Orders (TOs) and fully integrates electronic TOs (eTOs) supporting enterprise-wide distribution and viewing along with print-on-demand services. This system supports over 178K users across 385 sites worldwide. ETIMS is set to subsume multiple systems and capabilities terminating duplicate capabilities and achieving statutory IT requirements and FIAR compliance. The development efforts for ETIMS were completed in FY2025.

- FLITES provides the capability to manage comprehensive, accurate, reliable item master data (e.g., accurate identification and authorization of owners and users of items). FLITES provides item standardization and configuration management from a single authoritative source ensuring foundational logistics processes are executed in concert to support the A4 logistics baseline. It enables key integration and transformation capabilities including Item Unique Identification (IUID) association to business transactions; streamlined management of part attributes across supply, finance, engineering, technology, transportation, maintenance, and vendor communities; and provide translation capabilities between functional and technical business communities and systems.

- SCI is focused on modernizing the business processes and fundamentally enhancing supply operations and provide total asset visibility across the supply chain. These improvements have been identified in the DAF Logistics Capabilities Transformation Plan targeting improvements to manual processes in requisitioning, order management, item cataloging, inventory management, asset management, financial management, and supply chain analytics. This supports the DAF achieving total asset visibility at the base retail level enabling intelligent, data-driven decision-making based on accurate supply chain information. This initiative will drive base-level

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>
supply enhancements in support of financial tracking of general funds and audit readiness. The efforts in SCI identified requirements for development efforts within the supply enterprise which will be met through modernization and capability upgrades in ILS-S and ELMS. - ILS-S is the current DAF Retail Supply System for Classes 2 (organizational equipment such as gear and tools) & 9 (repair parts including engines and aircraft components) for Base Level Users. ILS-S is used to manage procurement, order management, inventory management, asset management and all financial business operations supporting all accounting functions for auditability. - ELMS is a DLA program and the established DoW Joint system for retail supply Class 7 (major end items including large scale equipment such as vehicles, missile systems, etc.) items for base level users. ELMS is used to manage procurement, order management, inventory management, asset management and all financial business operations supporting all accounting functions for auditability. ELMS is currently in use and will be upgraded to meet DAF requirements. - Field Maintenance (Field Mx) is the software system for conducting maintenance operations in the field providing functionalities including planning, scheduling and execution of aircraft maintenance and sortie production. These efforts entail developing a classified Maintenance Information System (MIS) for the Nuclear Command, Control, and Communications (NC3) enterprise. These efforts also support providing effective deterrence, and ensuring a full-spectrum capable, high-end focused force. The development efforts will improve the DAF field maintenance capabilities across the Mission Generation Network (MGN) and Repair Network (RN) functionalities. The modernization of MGN will address the cumulative effort required to launch, recover, configure, inspect and repair aircraft. MGN and RN will standardize processes where appropriate, allowing for optimization of resources, enhanced visibility of assets, reduced rework, reduced variability, improved documentation and configuration management, all allowing for more rapid and informed decision-making at the base and enterprise level. - This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. - This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0708610F I Logistics Information Technology (LOGIT)				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	11.895	18.581	0.000	0.000	0.000	
Current President's Budget	11.665	18.326	21.518	0.000	21.518	
Total Adjustments	-0.230	-0.255	21.518	0.000	21.518	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	-0.230	-0.255				
• Other Adjustments	0.000	0.000	21.518	0.000	21.518	
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Enhanced Technical Information Management System (ETIMS)				3.762	0.000	0.000
Description: ETIMS is the system of record for all Technical Orders (TOs) and this system fully integrated electronic TOs (eTOs) supporting enterprise-wide distribution and viewing along with print-on-demand services. This system supports over 178K users across 385 sites worldwide. ETIMS is set to subsume multiple systems and capabilities terminating duplicate capabilities and achieving statutory IT system requirements and FIAR compliance. ETIMS enhancement efforts support the management of Computer Program Identification Numbers (CPINs), archived digital TOs, and interfaces with Technical Order Authoring and Publishing (TOAP) enabling the automation of the 43 AFTO account management process. The development efforts for ETIMS will be completed in FY2025.						
FY 2026 Plans: ETIMS finished development in FY2025 and is now in continuous capability improvement.						
FY 2027 Plans: N/A						
FY 2026 to FY 2027 Increase/Decrease Statement: N/A						
Title: Integrated Logistics System-Supply (ILS-S)				0.000	0.000	2.945

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Integrated Logistics System-Supply (ILS-S) is the current AF Retail Supply System for Classes 2 (organizational equipment such as gear and tools) & 9 (repair parts including engines and aircraft components) for Base Level Users. ILS-S is a Cloud-based system used to manage procurement, order management, inventory management, asset management and all financial business operations supporting all accounting functions for auditability. FY 2026 Plans: N/A FY 2027 Plans: - Will begin development, testing, assessment, and support of ILS-S upgrade enhancing capabilities including order management, inventory management, and asset management. - Will begin development and testing of procurement capability upgrades. - Will begin and complete transformation and integration of enhanced financial management capability to meet statutory IT and FIAR compliance. FY 2026 to FY 2027 Increase/Decrease Statement: N/A				
Title: Enterprise Logistics Management System (ELMS) Description: ELMS is a DLA system and is the established DoW Joint system for retail supply of Class 7 (major end items including large scale equipment such as vehicles, missile systems, etc.) items for base level users. ELMS is used to manage procurement, order management, inventory management, asset management and all financial business operations supporting all accounting functions for auditability. The development efforts being funded will serve DAF requirements. FY 2026 Plans: N/A FY 2027 Plans: - Will begin development, testing, assessment, and support of ELMS upgrades enhancing capabilities including procurement, order management, inventory management, and asset management. - Will begin and complete accounting system upgrades for reviewing data element accuracy and added capabilities for business processes. - Will begin and complete the Government Furnished Equipment (GFP) module interface and capabilities to fully automate asset management. FY 2026 to FY 2027 Increase/Decrease Statement:		0.000	0.000	2.945

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
Title: Supply Capability Initiative (SCI) Description: SCI is focused on modernizing the business to fundamentally enhance supply operations and provide total asset visibility across the supply chain. These improvements have been identified in the DAF Logistics Capabilities Transformation Plan targeting fundamental improvements to manual processes in requisitioning, order management, item cataloging, inventory management, asset management, financial management, and supply chain analytics. This supports the DAF achieving total asset visibility at the base retail level enabling intelligent, data-driven decision-making based on accurate supply chain information. This initiative will drive base-level supply enhancements in support of financial tracking of General Funds and audit readiness. The efforts in SCI identified requirements for development efforts within the supply enterprise which will be met through modernization and capability upgrades in Integrated Logistics System-Supply (ILS-S) and Enterprise Logistics Management System (ELMS). FY 2026 Plans: - Continue modernization of supply business operations and improvements identified in the DAF Logistics Capabilities Transformation Plan. - Identify efforts for future modernization within the supply enterprise. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: - SCI completed all development efforts in FY2026. The FY2026 efforts were used to scope and define requirements for development efforts within the supply enterprise leading to funding new start programs ILS-S and ELMS.		0.000	0.106	0.000
Title: Foundational Logistics Information Technology Enterprise System (FLITES) Description: FLITES provides comprehensive item cataloging and provisioning functions for the Logistics business systems, and will replace the Item Management Control System (IMCS) suite of legacy systems. It is the central repository for the item core business objects, providing standardization of item cataloging processes, structure, attributes, propagation, and standardized views for all applicable item types. Additionally, FLITES will receive product structure input from an engineering Product Lifecycle Management (PLM) type system. FLITES contains the item data that is the core underlying information for every logistics enterprise system. FY 2026 Plans: - Continue business process transformation, compliance, enhancements, and integration with other systems using agile incremental releases. - Continue configuration of commercial platform to provide foundational logistics capability.		7.903	18.116	14.628

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Conduct recurring cyber security and system performance testing concurrent with configuration. - Finalize and deploy Foundational Logistics Information Technology Enterprise System (FLITES) 1.2 with provisioning capabilities fully replacing unsupportable 50 year old item management system. - Continue and complete Federal Logistics Information System (FLIS) efforts for data transformation, increased cyber security, and Defense Logistics Management Standards (DLMS) and Financial Improvement and Audit Readiness (FIAR) compliance. - Begin development of Item Application Programming Interfaces (APIs). - Begin development of cataloging inputs and interfaces with DLMS. - Continue efforts to meet Identity, Credential, and Access Management (ICAM) and FIAR compliance. - FLITES will replace Item Management Control System (IMCS) capabilities in FY 2026. FY 2027 Plans: - Will continue business process transformation, compliance, enhancements, and integration with other systems using agile incremental releases. - Will continue configuration of commercial platform to provide foundational logistics capability. - Will conduct recurring cyber security and system performance testing concurrent with configuration. - Will continue and complete development of Item APIs. - Will continue and complete development of cataloging inputs and interfaces with DLMS. - Will continue and complete efforts to meet ICAM and FIAR compliance. - Will begin development of the interface with Theater Integrated Combat Munitions System (TICMS). - Will begin development of the interface with Enterprise Supply Chain Analysis, Planning and Execution (ESCAPE) system. - Will begin development of capabilities to subsume the D200 E/F/H system suite to manage requirements and supply positions for weapon system and aircraft spare parts. FY 2026 to FY 2027 Increase/Decrease Statement: - Funding decrease due to decrease in total development efforts needed to meet the requirements for FLITES in FY27.				
Title: Field Maintenance (Field Mx) Description: Field Maintenance (Field Mx) is the software system for conducting maintenance operations in the field providing functionalities including planning, scheduling and execution of aircraft maintenance and sortie production. These efforts entail developing a classified Maintenance Information System (MIS) for the Nuclear Command, Control, and Communications (NC3) enterprise. These efforts also support providing effective deterrence, and ensuring a full-spectrum capable, high-end focused force. The development efforts will improve the DAF field maintenance capabilities across the Mission Generation Network (MGN) and Repair Network (RN) functionalities. The modernization of MGN will address the cumulative effort required to launch, recover, configure, inspect and repair aircraft. MGN and RN will standardize processes where appropriate, allowing for optimization		0.000	0.104	1.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) of resources, enhanced visibility of assets, reduced rework, reduced variability, improved documentation and configuration management, all allowing for more rapid and informed decision-making at the base and enterprise level. FY 2026 Plans: - Pre-acquisition activities in preparation for development effort increase in FY 2027. FY 2027 Plans: - Will begin development of the classified Maintenance Information System (MIS) for the Nuclear Command, Control, and Communications (NC3) enterprise. - Will begin development of MGN capability upgrades for planning, scheduling, and executing aircraft sorties. - Will begin development of RN capability upgrades for planning, scheduling, and executing aircraft repair operations. FY 2026 to FY 2027 Increase/Decrease Statement: - Funding increased due to additional development efforts including capability upgrades to MGN and RN functionalities and a classified MIS for the NC3 enterprise.		FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals		11.665	18.326	21.518
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy The LOGIT portfolio utilizes the Business Capability Acquisition Cycle (BCAC) process and employs Agile software development methodology in the acquisition of these programs. LOGIT supports multiple lines of effort to achieve the LOGIT objectives of FIAR and software modernizations. Agile development, continuous integration, and deployment are preferred methodologies that will be employed to the greatest extent possible to achieve maximum flexibility and cyber-resiliency while employing an appropriate mix of contractor and government personnel. The LOGIT contract strategies pursue fair and open competition focusing on the best value and rapid execution including pre-competed Small Business Enterprise Application Solutions (SBEAS) multi-vendor indefinite delivery/indefinite quantity (ID/IQ) vehicles.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0708610F / Logistics Information Techno logy (LOGIT)				Project (Number/Name) 675207 / Logistics IT System Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ETIMS - Prime Integration (v01.05)	C/CPAF	KIRA Info Solutions : WPAFB, OH	-	3.690	Nov 2024	-		-		-		-	Continuing	Continuing	-
ETIMS - Mobile Development	C/CPFF	BESPIN : MAFB-Gunter Annex, AL	-	0.072	Mar 2025	-		-		-		-	Continuing	Continuing	-
FLITES - Development/ Production Software Tools	Various	Various : WPAFB, OH	-	0.160	Dec 2024	0.180	Dec 2025	0.185	Dec 2026	-		0.185	Continuing	Continuing	-
FLITES - Data	C/CPAF	ISP/Unicom : WPAFB, OH	-	0.004	Apr 2025	0.004	Apr 2026	0.004	Apr 2027	-		0.004	Continuing	Continuing	-
FLITES- Hosting and Hybrid Support	C/CPFF	CloudOne : WPAFB, OH	-	0.192	Apr 2025	0.628	Dec 2025	0.439	Dec 2026	-		0.439	Continuing	Continuing	-
FLITES - Technical Service Contract	C/FFP	One Network : WPAFB, OH	-	3.940	Apr 2025	3.399	Dec 2025	0.000		-		0.000	Continuing	Continuing	-
FLITES - Technical Service Follow-On Contract	C/FFP	Blue Yonder : WPAFB, OH	-	0.204	Sep 2025	7.023	Apr 2026	6.709	Apr 2027	-		6.709	Continuing	Continuing	-
FLITES - Java Developers	C/FFP	Arcticom, LLC : WPAFB, OH	-	0.474	Jun 2025	2.328	Nov 2025	2.370	Nov 2026	-		2.370	Continuing	Continuing	-
FLITES - DMS SME	C/FFP	Arcticom, LLC : WPAFB, OH	-	0.380	Apr 2025	1.603	Dec 2025	1.866	Dec 2026	-		1.866	Continuing	Continuing	-
FLITES - EPASS	C/CPFF	Torch : WPAFB, OH	-	0.681	Apr 2025	1.465	Apr 2026	1.722	Apr 2027	-		1.722	Continuing	Continuing	-
SCI Development	Various	Various : WPAFB, OH	-	-		0.056	Mar 2026	0.000	Mar 2027	-		0.000	Continuing	Continuing	-
ILS-S Development	Various	Various : WPAFB, OH	-	-		-		2.895	Oct 2026	-		2.895	Continuing	Continuing	-
ELMS Development	MIPR	DLA : Mechanicsburg, PA	-	-		-		2.945	Oct 2026	-		2.945	Continuing	Continuing	-
Field Mx Development	Various	Various : WPAFB, OH	-	-		0.104	Mar 2026	0.950	Mar 2027	-		0.950	Continuing	Continuing	-
Subtotal			-	9.797		16.790		20.085		-		20.085	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>						Project (Number/Name) 675207 / <i>Logistics IT System Modernization</i>			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ETIMS - SME	C/FFP	DATUM : WPAFB, OH	-	0.000	Sep 2025	0.000	Dec 2025	-		-		-	Continuing	Continuing	-
ETIMS - ISP	C/FFP	Bowhead : WPAFB, OH	-	0.000	Dec 2024	0.000	Dec 2025	-		-		-	Continuing	Continuing	-
FLITES - Enterprise Architecture	C/FFP	Bowhead : WPAFB, OH	-	0.150	Jun 2025	0.258	Nov 2025	0.233	Nov 2026	-		0.233	Continuing	Continuing	-
Program Support (DCA)	Various	AFLCMC : MAFB-Gunter, AL	-	0.096	Oct 2024	0.000	Oct 2025	-		-		-	Continuing	Continuing	-
Subtotal			-	0.246		0.258		0.233		-		0.233	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FLITES - LDTO	PO	96th Test Wing : Eglin AFB, FL	-	0.000	Nov 2024	0.193	Nov 2025	0.205	Nov 2026	-		0.205	Continuing	Continuing	-
Subtotal			-	0.000		0.193		0.205		-		0.205	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FLITES - PMO Travel	Various	PEO : WPAFB, OH	-	0.016	Jan 2025	0.065	Jan 2026	0.020	Jan 2027	-		0.020	Continuing	Continuing	-
FLITES - BES Support	Various	PEO : WPAFB, OH	-	1.580	Oct 2025	0.970	Oct 2026	0.875	Oct 2027	-		0.875	Continuing	Continuing	-
PMA	TBD	Various : WPAFB, OH	-	0.026	Mar 2025	0.000		0.000		-		0.000	Continuing	Continuing	-
SCI Services	Various	Various : WPAFB, OH	-	-		0.050	Mar 2026	0.000	Mar 2027	-		0.000	Continuing	Continuing	-
ILS-S Services	Various	Various : Gunter, AL	-	-		-		0.050	Mar 2027	-		0.050	Continuing	Continuing	-
ELMS Services	Various	Various : Gunter, AL	-	-		-		0.000	Mar 2027	-		0.000	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0708610F / Logistics Information Technology (LOGIT)						Project (Number/Name) 675207 / Logistics IT System Modernization			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Field Mx Services	Various	Various : Gunter, AL	-	-		-		0.050		-		0.050	Continuing	Continuing	-
Subtotal			-	1.622		1.085		0.995		-		0.995	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	11.665		18.326		21.518		-		21.518	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0708610F / <i>Logistics Information Technology (LOGIT)</i>		Project (Number/Name) 675207 / <i>Logistics IT System Modernization</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ETIMS Enhancements																												
ETIMS Enhancements (v01.05) - Development / Testing / Deploy																												
ETIMS Enhancements (v01.05) - Full Deployment																												
ETIMS Enhancements (v01.06) - Development / Testing / Deploy																												
ETIMS Enhancements (v01.06) - Full Deployment																												
FLITES																												
FLITES - Development/Testing																												
FLITES - Full Deployment (FLITES 1.1 Cataloging)																												
FLITES - Full Deployment (FLITES 1.2 Provisioning)																												
FLITES - FLIS Transformation																												
FLITES - Item Application Programming Interfaces (APIs) Development and Deployment																												
FLITES - Cataloging DLMS																												
FLITES - Auditability and ICAM Compliance																												
FLITES - TICMS Integration																												
FLITES - ESCAPE Integration																												
FLITES - D200 E/F/H Subsumption																												
SCI																												
SCI - Development																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026																					
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0708610F / Logistics Information Technology (LOGIT)								Project (Number/Name) 675207 / Logistics IT System Modernization																			
										FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ELMS																																					
Accounting System Upgrades																																					
Government Furnished Equipment (GFP) Module Upgrades																																					
ILS-S																																					
Enhanced Financial Management Capability for FIAR Compliance																																					
Procurement Capability Upgrades																																					
Field Maintenance																																					
Classified Maintenance Information System (MIS) MVP 1 Development and Testing																																					
Classified Maintenance Information System (MIS) MVP 1 Deployment																																					

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0708610F / Logistics Information Technology (LOGIT)	Project (Number/Name) 675207 / Logistics IT System Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ETIMS Enhancements				
ETIMS Enhancements (v01.05) - Development / Testing / Deploy	1	2025	2	2025
ETIMS Enhancements (v01.05) - Full Deployment	2	2025	2	2025
ETIMS Enhancements (v01.06) - Development / Testing / Deploy	2	2025	4	2025
ETIMS Enhancements (v01.06) - Full Deployment	3	2025	4	2025
FLITES				
FLITES - Development/Testing	1	2025	4	2031
FLITES - Full Deployment (FLITES 1.1 Cataloging)	3	2025	4	2025
FLITES - Full Deployment (FLITES 1.2 Provisioning)	2	2025	3	2026
FLITES - FLIS Transformation	1	2026	3	2026
FLITES - Item Application Programming Interfaces (APIs) Development and Deployment	2	2026	2	2027
FLITES - Cataloging DLMS	4	2026	2	2027
FLITES - Auditability and ICAM Compliance	3	2026	3	2027
FLITES - TICMS Integration	1	2027	3	2028
FLITES - ESCAPE Integration	4	2027	3	2028
FLITES - D200 E/F/H Subsumption	4	2027	3	2028
SCI				
SCI - Development	2	2026	4	2026
ELMS				
Accounting System Upgrades	1	2027	3	2027
Government Furnished Equipment (GFP) Module Upgrades	1	2027	4	2027

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0708610F / Logistics Information Technology (LOGIT)		Project (Number/Name) 675207 / Logistics IT System Modernization	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
ILS-S					
Enhanced Financial Management Capability for FIAR Compliance		1	2027	4	2027
Procurement Capability Upgrades		1	2027	3	2028
Field Maintenance					
Classified Maintenance Information System (MIS) MVP 1 Development and Testing		1	2027	3	2028
Classified Maintenance Information System (MIS) MVP 1 Deployment		3	2028	3	2028

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	23.987	33.478	23.472	0.000	23.472	24.257	24.742	25.209	25.716	Continuing	Continuing
674567: <i>Modeling and Simulation Foundations - MSF</i>	0.000	8.993	17.291	11.334	0.000	11.334	11.724	12.011	12.274	12.551	Continuing	Continuing
675135: <i>Warfighter Readiness</i>	0.000	14.994	16.187	12.138	0.000	12.138	12.533	12.731	12.935	13.165	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Air Force Live Virtual Construct Operational Training (AF LVC-OT) program develops and supports modeling and simulation software used within USAF operational training and exercises. LVC-OT directly improves Joint and USAF core warfighter readiness by ensuring training and mission rehearsal activities are realistic, readily available, and interoperable with other related training and simulation programs.

The LVC-OT program includes two complementary and interrelated projects:

Project 674567, Modeling & Simulation Foundations, develops and supports a software tool named Air, Space and Cyberspace Collaborative Environment - Information Operations Suite (ACE-IOS). This software is a federation of constructive models to simulate intelligence, surveillance, and reconnaissance (ISR), electronic warfare (EW), information operations (IO), and cyber Effects on combat operations during training and exercises. The program supports multiple training tiers, to include Joint Task Force commanders, Combatant Commanders' battle staff, and the USAF intelligence schoolhouse.

Project 675135, Warfighter Readiness, develops and supports a software tool named Command & Control Simulation Environment for Training (C2SET). This software simulates air and space power for training Air and Space Operations Center (AOC) personnel and Combatant Commanders' battle staffs. C2SET replaced the legacy Air Force Modeling and Simulation Training Toolkit (AFMSTT) in FY 2026, due to the legacy AFMSTT's outdated capabilities and inoperability with the modernized AOC weapon system.

Projects under the LVC-OT program support DoW's training transformation, Joint National Training Capability (JNTC), and USAF priorities and core functions. Activities include studies and analysis to support both program planning, execution, and future program planning. LVC-OT provides the training and mission rehearsal in realistic operational environments required to prepare our warfighters for the full range of military operations and maintain the combat readiness levels required by Combatant Commanders. Live, Virtual, and Constructive integration efforts provided under LVC-OT are a critical piece to the USAF's implementation of the Strategic Plan for Transforming DoW Training.

This program is part of the overarching Kessel Run portfolio and is leveraging the All Domain Common Platform (ADCP). The ADCP provides an extensible cloud based infrastructure and platform as a service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0801380F I AF LVC Operational Training (LVC-OT)				
Efforts within this program align with and depend upon USAF investment in Mission Planning Systems (PE 0208006F), Air Operations Center (PE 0207410F), All Domain Common Platform (0303248F), Command and Control Incident Management Emergency Response Application (C2IMERA) (0305836F). Advanced Battle Management System (ABMS) (0604003F) and Flight Ops (PE 0207461F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK. This program's efforts directly provide the development, infrastructure, and support necessary for each of these programs and TAP-SoS interdependencies, which provides the capabilities necessary for deliberate planning, dynamic mission replanning, friendly order of battle management, and mission tasking and execution.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2025 0.955 million was expended for civilian pay expenses in this program element, and in FY 2026 0.500 million is forecasted for civilian pay expenses in this program element.						
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		27.535	33.898	0.000	0.000	0.000
Current President's Budget		23.987	33.478	23.472	0.000	23.472
Total Adjustments		-3.548	-0.420	23.472	0.000	23.472
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	-0.420			
• Other Adjustments		-3.548	0.000	23.472	0.000	23.472
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)				Project (Number/Name) 674567 / Modeling and Simulation Foundations - MSF			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674567: Modeling and Simulation Foundations - MSF	0.000	8.993	17.291	11.334	0.000	11.334	11.724	12.011	12.274	12.551	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Project 674567, Modeling & Simulation Foundations, develops and supports a software tool named Air, Space and Cyberspace Collaborative Environment - Information Operations Suite (ACE-IOS). ACE-IOS is used during major theater exercises to provide realistic intelligence, surveillance, and reconnaissance (ISR), electronic warfare (EW), information operations (IO), and cyber effects simulation. ACE-IOS is part of the cyber live-virtual-constructive (LVC) environments for use during Joint training of offensive and defensive ISR/cyber capabilities for the USAF, DoW, select coalition, and national agencies. ACE-IOS is also used at Air Force and Joint ISR operational training, conducted by the AF simulation centers worldwide. Warfighters train using ACE-IOS models and simulations with specific extensions in support of the United States Air Force (USAF) ISR schoolhouse.												
Robust ACE-IOS modernization is imperative to ensure that air, space, and cyberspace training and mission rehearsal activities can provide warfighters with realistic, interoperable, and readily available tools, data, and services. Planned ACE-IOS enhancements support of the users at mod-sim centers for multi domain capability and the USAF ISR schoolhouse. Specific cyber effects software extensions are required for warfighter training and exercising of tactical cyber mission forces (CMF).												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS)									8.993	17.291	11.334	
Description: Provides the authoritative representation of the USAF ACE-IOS program. ACE-IOS is comprised of models that support training and mission rehearsal for the USAF, Joint Task Force commanders, and Combatant Commander battle staffs during Joint and service exercises and experimentations. Also supports shared ACE-IOS development in support of the USAF ISR schoolhouse and Modeling and Simulation (M&S) centers.												
FY 2026 Plans: Delivered ACE-IOS version & deploy operational software modifications - Started new ACE-IOS agile development providing modernized model and simulation updates for C5ISR training - Developed and tested cross domain solution to connect to JWICS, Coalition, and SIPR domains for integrated AF CCMD training - Updated tool sets based on operational needs to deliver realistic training in support of Joint/Combined Forces Air Component Commander (JFACC/CFACC) operations												
FY 2027 Plans: - Will deliver continued annual ACE-IOS version & deploy operational software modifications to include fully containerized ACE-IOS suite												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)				Project (Number/Name) 674567 / Modeling and Simulation Foundations - MSF				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
- Will start new ACE-IOS agile development providing modernized model and simulation updates for Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance and Reconnaissance Sensitive Compartmented Information (C5ISR SCI) level training for Indo-Pacific Command (INDOPACOM) with the fielding of new cross domain tools; enhanced non kinetic, enhanced Electronic Warfare (EW) training tools; and new Air Force (AF) ISR tools for the schoolhouse - Will update tool sets based on operational needs to deliver more realistic training in support of Joint/Combined Forces Air Component Commander (JFACC/CFACC) operations worldwide - Will enhance fidelity of Mission Reporting Simulation, and upgrade Signals Intelligence (SIGINT), Measurement and Signature intelligence (MASINT), and Geospatial Intelligence (GEOINT) Joint Training for the Air Operations Center Weapon System <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> FY 2027 funding decreases to support higher Department of War priorities. Remaining funds required to deliver more realistic and comprehensive training required to simulate the threats, complexity, and scale of a modern war to the replacing outdated models and databases. This supports global exercises, to include those supporting United States Indo-Pacific Command (USINDOPACOM) and homeland defense missions.												
Accomplishments/Planned Programs Subtotals										8.993	17.291	11.334
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 833140: Strategic Command And Control	5.431	1.861	-	-	-	-	-	-	-	0.000	7.292	
• RDTE 07 0303248F: AF Command and Control (C2) Common Platform	82.927	79.294	89.845	-	89.845	80.199	82.417	82.189	-	0.000	496.871	
Remarks												
D. Acquisition Strategy												
The Acquisition goals of the Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS) are achieved through incremental development of the project's Modeling and Simulation (M&S) activities; all contracts are awarded using full and open competition. In order to meet evolving M&S technology and requirements and its modernization effort, the ACE-IOS program will leverage commercial best practices for agile software development.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)				Project (Number/Name) 674567 / Modeling and Simulation Foundations - MSF					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS)(1)	C/T&M	CACI, Inc-Federal : San Antonio, TX	-	7.749	Apr 2025	16.359	Apr 2026	10.172	Apr 2027	-		10.172	Continuing	Continuing	-
Subtotal			-	7.749		16.359		10.172		-		10.172	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	C/Various	AFLCMC : Hanscom AFB, MA	-	1.244	Oct 2024	0.932	Oct 2025	1.162	Oct 2026	-		1.162	Continuing	Continuing	-
Subtotal			-	1.244		0.932		1.162		-		1.162	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	8.993		17.291		11.334		-		11.334	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)						Project (Number/Name) 674567 / Modeling and Simulation Foundations - MSF			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air, Space and Cyberspace Constructive Environment - Information Operations Suite(ACE-IOS)																												
- ACE-IOS v5.0.25																												
- ACE-IOS v5.0.26																												
- ACE-IOS v5.0.27																												
- ACE-IOS v5.0.28																												
-ACE-IOS v5.0.29																												
-ACE-IOS v6.0.30																												
-ACE-IOS v6.0.31																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)	Project (Number/Name) 674567 / Modeling and Simulation Foundations - MSF	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Air, Space and Cyberspace Constructive Environment - Information Operations Suite(ACE-IOS)</i>				
- ACE-IOS v5.0.25	1	2025	2	2026
- ACE-IOS v5.0.26	1	2026	2	2027
- ACE-IOS v5.0.27	1	2027	2	2028
- ACE-IOS v5.0.28	1	2028	2	2029
-ACE-IOS v5.0.29	1	2029	2	2030
-ACE-IOS v6.0.30	1	2030	2	2031
-ACE-IOS v6.0.31	1	2031	4	2031

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Trainin g (LVC-OT)				Project (Number/Name) 675135 / Warfighter Readiness			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675135: Warfighter Readiness	0.000	14.994	16.187	12.138	0.000	12.138	12.533	12.731	12.935	13.165	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 675135, Warfighter Readiness, develops and supports a software tool named Command & Control Simulation Environment for Training (C2SET). C2SET will be the authoritative representation of USAF and Joint theater-level air and space power training to Air and Space Operations Center (AOC) warfighters and Combatant Commanders' battle staffs. C2SET delivers realistic models and tools representing the tactical and operational capabilities the USAF brings to the joint fight. The goal is delivering a fully scalable and more scientific based modeling, simulation, and training stimulation to the users. C2SET will replace legacy model called Air Force Modeling & Simulation Training Toolkit (AFMSTT) with the proven Advanced Framework for Simulation, Integration, and Modeling (AFSIM) and/or similar models. AFMSTT entered sustainment in FY 2021 and continues to receive operational updates to maintain operational currency until fully replaced by C2SET and depreciated.

C2SET includes several complimentary initiatives: Warfighter and Joint Training Integration supports the Chief of Staff of the Air Force (CSAF) directed Live, Virtual, and Constructive (LVC) integration efforts and is a critical piece to the USAF's implementation of the Strategic Plan for Transforming DoW Training. The goal of LVC training and mission rehearsal is to prepare our warfighters for the full range of military operations and maintain the combat readiness levels required by the Combatant Commands. This can only be accomplished by training and rehearsing in realistic operational environments. These environments include live training ranges and virtual simulators enhanced with constructive entities. Specific training and mission rehearsal events can include some or all of these simultaneously; making the ability to integrate LVC capabilities a necessity. The Air, Space, and Cyberspace Constructive Environment (ASCCE) is the USAF's authoritative federation of constructive to the Combined Forces Air Component Commander (CFACC).

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Command & Control Simulation Environment for Training (C2SET)	14.994	16.187	12.138
Description: C2SET will replace legacy AFMSTT systems with modernized training & rehearsal capability to warfighters across various AOCs. C2SET models deliver capability for scalable, interoperable exercises to users across Sim Centers at Osan, Hickam, and other DoW installations. Furthermore, the C2SET environment creates high fidelity training scenarios for the operators at the 505th Command and Control Wing, Hurlburt Field AFB, FL			
FY 2026 Plans: - Tested and deployed modernized simulation capabilities delivering realistic behavior simulation for current and future Air Tasking Order (ATO) and C5ISR mission sets with a substantially modernized core Modeling and Simulation (M&S) engine around a common USAF framework compatible with Air Operation Center operations and modernization			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)				Project (Number/Name) 675135 / Warfighter Readiness			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027
- Expanded on capability to plan and execute a simulated exercise scaled to the number of missions, mission types, threats, and number of partners required to meet the Combined/Joint Force Commander's (C/JFC) desired training objectives for AOC exercise participants - Replaced scenario generation capability delivering modernized capability for initial & mission qualification training (IQT & MQT) at 40+ sites - Integrated with other mission planning systems such as C2CORE, C2IMERA, Maven Smart Systems, etc. - Delivered a resilient platform tailorable to each user site - Continued to harden mission feedback capability delivering real time mission status updates to operators during large scale exercises FY 2027 Plans: - Test and deploy modernized constructive, campaign-level simulation capabilities to users across the simulation centers at Osan, Hickam, and other DoD installations - Continue integration with Air Operations Center modernization and wing-level applications - Accelerate deprecation of existing legacy modeling and simulation capabilities & modules - Test and integrate with emerging federations to include Next Gen Constructive and Joint Live Virtual Constructive FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding decreases due to planned Initial Operational Capability (IOC) in FY 2027, which drives reduced development requirements.											
Accomplishments/Planned Programs Subtotals									14.994	16.187	12.138
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 833140: Strategic Command And Control	5.431	1.861	1.905	-	1.905	16.314	15.992	29.840	-	0.000	71.343
• RDTE 07 0303248F: AF Command and Control (C2) Common Platform	88.470	79.294	84.135	-	84.135	80.199	82.417	82.189	-	0.000	496.704
Remarks											
N/A											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)	Project (Number/Name) 675135 / Warfighter Readiness

D. Acquisition Strategy

The Acquisition goals of the Command & Control Simulation Environment for Training (C2SET) are achieved through incremental development of the project's Modeling and Simulation (M&S) activities; all contracts are awarded using full and open competition. C2SET operates under authority of a Software Acquisition Pathway following DoDI 5000.87, Operation of a Software Acquisition Pathway Guidance. The desired end state is continuous delivery of all C2SET software.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)						Project (Number/Name) 675135 / Warfighter Readiness			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2SET (FSO)	C/T&M	Full Spectrum Operations : Fairfax, VA	-	3.900	Jul 2025	6.131	Jul 2026	-		-		-	Continuing	Continuing	-
C2SET (Omni)	C/T&M	Omni Federal : Gainesville, VA	-	8.357	Jul 2025	6.506	Jul 2026	-		-		-	Continuing	Continuing	-
C2SET (TBD)	TBD	TBD : TBD	-	-		-		7.758	Jul 2027	-		7.758	Continuing	Continuing	-
Subtotal			-	12.257		12.637		7.758		-		7.758	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
C2SET Civilian Direct Cite Authorizations for Product Development	Allot	AFLCMC/FZA : HANSCOM AFB, MA	-	1.115	Oct 2024	1.482	Oct 2025	1.380	Oct 2026	-		1.380	Continuing	Continuing	-
Subtotal			-	1.115		1.482		1.380		-		1.380	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	C/TBD	45th TS/TG : Eglin AFB, FL	-	0.252	Nov 2024	0.252	Nov 2025	0.236	Nov 2026	-		0.236	Continuing	Continuing	-
Subtotal			-	0.252		0.252		0.236		-		0.236	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	C/Various	AFLCMC : HANSCOM AFB, MA	-	0.945	Oct 2024	1.391	Oct 2025	2.226	Oct 2026	-		2.226	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)						Project (Number/Name) 675135 / Warfighter Readiness			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	SS/ Various	MITRE : Bedford, MA	-	0.425	Oct 2024	0.425	Oct 2025	0.538	Oct 2026	-		0.538	Continuing	Continuing	-
Subtotal			-	1.370		1.816		2.764		-		2.764	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	14.994		16.187		12.138		-		12.138	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)										Project (Number/Name) 675135 / Warfighter Readiness									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air, Space, and Cyberspace ConstructiveEnvironment (ASCCE)																												
C2SET																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0801380F / AF LVC Operational Training (LVC-OT)	Project (Number/Name) 675135 / Warfighter Readiness

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Air, Space, and Cyberspace ConstructiveEnvironment (ASCCE)				
C2SET	1	2025	4	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0804743F I Other Flight Training							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	1.116	2.338	1.950	0.000	1.950	0.754	0.768	0.784	0.799	Continuing	Continuing
675304: Aviation Resource Management System (ARMS)	0.000	1.116	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
67A036: Air Resource Tool Enterprise Mission Information System (ARTEMIS)	0.000	0.000	2.338	1.950	0.000	1.950	0.754	0.768	0.784	0.799	Continuing	Continuing
Note In FY 2026, Program Element (PE) 0804743F, Other Flight Training (OFT), Project 675304, Aviation Resource Management Systems efforts transferred to PE 0804743F, OFT, Project 67A036, Air Resource Tool Enterprise Mission Information System (ARTEMIS) to ensure greater transparency. A. Mission Description and Budget Item Justification Other Flight Training (OFT) program provides systems and data sources for recording and managing aircrew training information, aircrew/parachutist management, flying hour tracking, flight pay management, and flying gate tracking for over 68,000 Air Force members to enhance safety-of-flight operations and to determine eligibility to perform aviation related events. The OFT program includes the Aviation Resource Tool Enterprise Management Information System (ARTEMIS) effort, an on-line information system for base-level Deputy Commanders for Operations. ARTEMIS, which replaced the legacy Aviation Resource Management System (ARMS) that sunset in FY 2025, is a cloud-based system providing a common architecture to effectively support the implementation of Air Force flight management policies specified in AFI 11-401 and AFI 11-402. It ensures the accurate tracking of flying and ground training programs and delivers real-time analytics and operations management information for aircrew, missileer, and parachutist training and readiness. Covering over 68,000 aircrew/parachutists and used by 2,800 1C0X2 Career Field members with 2.2 million transactions per week, ARTEMIS provides operations managers with immediate visibility into flying program status, enabling effective resource allocation decisions and robust support for weapon systems requirements. Funding provides continuing developmental efforts that will focus on both the sustainment and continued development of ARTEMIS to enhance adoption and ensure Air Force readiness. Ongoing sustainment activities include minimizing system downtime, resolving escalated issues, maintaining security compliance, improving data quality and architecture for enterprise reporting, sustaining integrations with other Operations Enterprise Architecture (Ops EA) initiatives, and executing feature enhancements to improve the user experience. Concurrently, developmental efforts will provide additional flying operations information and interface this data into the Defense Readiness Reporting System Strategic (DRRS-S). These enhanced capabilities will be developed incrementally and include, but are not limited to, an electronic flight record, flying hour management, simulator and Remote Piloted Aircraft (RPA) management, a full career logbook, training look-back, aircrew member man-month allocation, enhanced resource and jump module management, and additional interfaces.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0804743F / <i>Other Flight Training</i>

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	1.159	2.371	0.000	0.000	0.000
Current President's Budget	1.116	2.338	1.950	0.000	1.950
Total Adjustments	-0.043	-0.033	1.950	0.000	1.950
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.043	-0.033			
• Other Adjustments	0.000	0.000	1.950	0.000	1.950

Change Summary Explanation

FY 2025 budget request decreased by \$0.043 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

FY 2026 budget request decreased by \$0.033 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training				Project (Number/Name) 675304 / Aviation Resource Management System (ARMS)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675304: Aviation Resource Management System (ARMS)	0.000	1.116	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, Program Element (PE) 0804743F, Other Flight Training (OFT), Project 675304, ARMS efforts transferred to PE 0804743F, OFT, Project 67A036, Air Resource Tool Enterprise Mission Information System (ARTEMIS) to ensure greater transparency.

A. Mission Description and Budget Item Justification

In FY 2025, Project 675304, Aviation Resource Management Systems (ARMS) sunset.

ARMS is a web-based on-line management information system designed to support the base level Director of Operations (DO), aircrew supervisors, and managers. ARMS provides management policies and ensures the status of the Air Force flying programs are available to flying/jump supervisors to make resource allocation decisions. ARMS ensures accurate tracking of flying and ground training programs for each weapon system at each base and provides accurate and timely aircrew/parachutist information which assists in monitoring, tracking, and scheduling military training required to meet Air Force mission requirements.

ARMS manages flying hours for aircrew parachutists world-wide to include USAF, Air Force Reserve Command (AFRC) and the Air National Guard (ANG). The current ARMS functionality resides at a Defense Information System Agency (DISA) DECC and consists of "5" logical modules to include: Flight, Individual Training, Jumper Aircrew, Resource Tracking, Reports, and System. The sustainment of these capabilities and the introduction of new capabilities follows an agile development process, but the effectiveness of that process is severely limited by the existing production environment.

ARMS will be replaced by the new, cloud-based solution, Aviation Resource Tool Enterprise Mission Information System (ARTEMIS) to ensure indefinite, secure integration with existing operations systems.

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

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2025	FY 2026	FY 2027
Title: Aviation Resource Management System (ARMS)	1.116	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / <i>Other Flight Training</i>	Project (Number/Name) 675304 / <i>Aviation Resource Management System (ARMS)</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Description: Hardware/software development to update Aviation Resource Management System (ARMS), adding functionality and system interfaces. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	1.116	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks
ARMS sunset in FY 2025.

D. Acquisition Strategy
N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training				Project (Number/Name) 675304 / Aviation Resource Management System (ARMS)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ARMS Softwarre	C/Various	Deloitte : Arlington, VA	-	1.116	Jan 2025	-		-		-		-	0.000	1.116	-
Subtotal			-	1.116		-		-		-		-	0.000	1.116	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.116		-		-		-		-	0.000	1.116	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training		Project (Number/Name) 675304 / Aviation Resource Management System (ARMS)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ARMS																												
ARMS Upgrades																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training	Project (Number/Name) 675304 / Aviation Resource Management System (ARMS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ARMS				
ARMS Upgrades	1	2025	2	2026

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training				Project (Number/Name) 67A036 / Air Resource Tool Enterprise Mission Information System (ARTEMIS)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
67A036: Air Resource Tool Enterprise Mission Information System (ARTEMIS)	0.000	0.000	2.338	1.950	0.000	1.950	0.754	0.768	0.784	0.799	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, Program Element (PE) 0804743F, Other Flight Training (OFT), Project 675304, ARMS efforts transferred to PE 0804743F, OFT, Project 67A036, Air Resource Tool Enterprise Mission Information System (ARTEMIS) to ensure greater transparency.

A. Mission Description and Budget Item Justification

The Aviation Resource Tool Enterprise Mission Information System (ARTEMIS) provides a cloud-based system for recording and managing aircrew training information, aircrew/parachutist management, flying hour tracking, flight pay management, and flying gate tracking for over 68,000 Air Force members to enhance safety-of-flight operations and determine eligibility for aviation-related events.

ARTEMIS, which replaced the legacy Aviation Resource Management System (ARMS) that sunset in FY 2025, is a cloud-based system providing a common architecture to effectively support the implementation of Air Force flight management policies specified in AFI 11-401 and AFI 11-402. The migration to the cloud environment and the DevSecOps methodology will transform the system to be scalable and flexible, capable of meeting all information requirements of the Aviation Resource Management community. It will provide dashboards and data analytics to support decision-making for informing readiness assessments. The cloud environment provides the Continuous Integration and Continuous Deployment (CI/CD) pipeline required to constantly deliver software in an agile framework.

This program ensures the accurate tracking of flying and ground training programs and delivers real-time analytics and operations management information for aircrew, missileer, and parachutist training and readiness. Covering over 68,000 aircrew/parachutists and used by 2,800 1C0X2 Career Field members with 2.2 million transactions per week, ARTEMIS provides operations managers with immediate visibility into flying program status, enabling effective resource allocation decisions and robust support for weapon systems requirements.

Funding provides continuing developmental efforts that will focus on both the sustainment and continued development of ARTEMIS to enhance adoption and ensure Air Force readiness. Ongoing sustainment activities include minimizing system downtime, resolving escalated issues, maintaining security compliance, improving data quality and architecture for enterprise reporting, sustaining integrations with other Operations Enterprise Architecture (Ops EA) initiatives, and executing feature enhancements to improve the user experience. Concurrently, developmental efforts will provide additional flying operations information and interface this data into the Defense Readiness Reporting System Strategic (DRRS-S). These enhanced capabilities will be developed incrementally and include, but are not limited to, an electronic flight record, flying hour management, simulator and Remote Piloted Aircraft (RPA) management, a full career logbook, training look-back, aircrew member man-month allocation, enhanced resource and jump module management, and additional interfaces.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / <i>Other Flight Training</i>	Project (Number/Name) 67A036 / <i>Air Resource Tool Enterprise Mission Information System (ARTEMIS)</i>	
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.			
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
Title: Aviation Resource Tool Enterprise Mission Information System (ARTEMIS)		0.000	2.338
Description: Software development to update antiquated Aircrew Resource Management System (ARMS) through new ARTEMIS effort, adding functionality and system interfaces.			1.950
FY 2026 Plans: Sustain and enhance the ARTEMIS platform on Cloud-One to include by not limited to transformation sustainment, data cleansing, update data mapping and ensure ARTEMIS compliance and integration, and execute backlog enhancement items.			
FY 2027 Plans: Continued update to ARTEMIS platform on Cloud-One. Efforts include but not limited to delivery of software patches to correct system deficiencies and developmental activities.			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to re-scoping and reduction of planned developmental activities.			
Accomplishments/Planned Programs Subtotals		0.000	2.338
			1.950
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy The ARTEMIS acquisition strategy employs an evolutionary approach to incrementally develop and field capabilities on its modern, Salesforce-based platform. Initial development was successfully executed through a partnership with the AF Business Enterprise Systems Programming Innovation (BESPIN) office, utilizing a Section 8a direct award. Current sustainment and continued development are managed through a firm-fixed-price contract, focusing on data usability, integration with the Operations Enterprise Architecture (Ops EA), and feature enhancements. ARTEMIS replaced the legacy Aviation Resource Management System (ARMS) to accelerate the transformation of future "Digital Operations Suite" and future acquisition strategy. The program will leverage the Commercial Solutions Opening (CSO) managed by the Secretary of the Air Force, Concepts, Development and Management (SAF/CDM) office. The CSO efforts include rapidly acquire and integrate "break-through" commercial technologies, prioritizing innovation over incremental improvements and allow ARTEMIS to solicit solutions in key areas like Big Data, AI/ML, and advanced data analytics, attracting a wide range of traditional and non-			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training	Project (Number/Name) 67A036 / Air Resource Tool Enterprise Mission Information System (ARTEMIS)
traditional vendors. The CSO provides a streamlined, two-step process (White Paper followed by Proposal) and flexible award types, including Other Transaction Agreements (OTAs), which can transition directly to full-scale production contracts. This agile approach lowers barriers to entry for innovators, reduces administrative timelines, and ensures ARTEMIS can rapidly evolve to meet the data-driven needs of its 68,000 users and the broader Ops EA ecosystem.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training						Project (Number/Name) 67A036 / Air Resource Tool Enterprise Mission Information System (ARTEMIS)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ARTEMIS Software Development	C/FFP	DELOITTE CONSULTING LLP : Arlington, VA	-	-		2.338	Mar 2026	1.950	Mar 2027	-		1.950	Continuing	Continuing	-
Subtotal			-	-		2.338		1.950		-		1.950	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		2.338		1.950		-		1.950	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training					Project (Number/Name) 67A036 / Air Resource Tool Enterprise Mission Information System (ARTEMIS)				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ARTEMIS Integration Activities																												
ARTEMIS Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / Other Flight Training	Project (Number/Name) 67A036 / Air Resource Tool Enterprise Mission Information System (ARTEMIS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ARTEMIS Integration Activities				
ARTEMIS Development	1	2026	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901202F I Joint Personnel Recovery Agency							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	2.235	2.051	2.035	0.000	2.035	2.140	2.192	2.235	2.281	Continuing	Continuing
675196: Joint Technology Exploitation	0.000	2.235	2.051	2.035	0.000	2.035	2.140	2.192	2.235	2.281	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding supports development of innovative capabilities to address Personnel Recovery in Large Scale Combat Operations, Multi-Domain Operations and anti-access/area denial environments for Combatant Commanders and the Services. Joint personnel Recovery Agency [JPRA] developmental efforts address Personnel Recovery capability gaps and shortfalls identified in the Personnel Recovery Initial Capabilities Document approved by the Joint Requirements Oversight Council memorandum 120-12 on 8 Aug 2012, and subsequent supporting documents approved in the Joint Capabilities Integration Development System. Activities include funding for research and development, support equipment, contract services and all associated costs specifically identified to support the JPRA headquarters Ft. Belvoir, VA and other agency operating locations.

Development and transition to sustainment of an enterprise level information data system [Personnel Recovery Information Data System [PRIDS] to enable DoD data management, analysis and collaboration. Funds also provide USAF Platform One/Cloud One housing for PRIDS. DODI 3002.1 directed JPRA capability.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605832F, 0605833F, 0605898F, 0606398F. In FY25 \$0.0M was expended for civilian pay expenses in this program element and in FY26 \$0.0M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901202F I Joint Personnel Recovery Agency				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		2.320	2.080	0.000	0.000	0.000
Current President's Budget		2.235	2.051	2.035	0.000	2.035
Total Adjustments		-0.085	-0.029	2.035	0.000	2.035
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	-0.029			
• Other Adjustments		-0.085	0.000	2.035	0.000	2.035
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Personnel Recovery Information Data System [PRIDS]				2.235	2.051	2.035
Description: Development of the Personnel Recovery Information Data System						
FY 2026 Plans: Continue expanding on the FY26 work towards an enterprise level information data system Personnel Recovery Information Data System [PRIDS] to enable DoD data management, analysis and collaboration.						
FY 2027 Plans: Plans for FY 2027						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increases from FY 2026 to FY 2027						
Accomplishments/Planned Programs Subtotals				2.235	2.051	2.035
D. Other Program Funding Summary (\$ in Millions) N/A						
Remarks						
E. Acquisition Strategy Projects will leverage existing program contracts. In the rare instance where a contract does not already exist, contracts will be awarded through full and open competition.						

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901202F / Joint Personnel Recovery Agency						Project (Number/Name) 675196 / Joint Technology Exploitation			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Common Distress Reporting System	SS/TBD	AFLCMC/HBZ : Huntington Beach, CA	-	1.057	Mar 2025	0.973	Mar 2026	0.966	Mar 2027	-		0.966	Continuing	Continuing	-
Collaborative Personnel Recovery Planning Systems & PR Capabilities Development	Various	Various : NV	-	1.178	Mar 2025	1.078	Mar 2026	1.069	Mar 2027	-		1.069	Continuing	Continuing	-
Subtotal			-	2.235		2.051		2.035		-		2.035	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	2.235		2.051		2.035		-		2.035	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0901202F / Joint Personnel Recovery Agency				Project (Number/Name) 675196 / Joint Technology Exploitation			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Personnel Recovery Information Data System																												
Common Distress Reporting System																												
Optimal Search Study																												
Collaborative Personnel Recovery planning systems																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901202F / Joint Personnel Recovery Agency	Project (Number/Name) 675196 / Joint Technology Exploitation

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Personnel Recovery Information Data System				
Common Distress Reporting System	1	2025	4	2028
Optimal Search Study	1	2025	4	2028
Collaborative Personnel Recovery planning systems	1	2025	4	2028

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901218F I Civilian Compensation Program							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	4.267	4.355	4.248	0.000	4.248	4.393	4.476	4.559	4.652	Continuing	Continuing
674139: Civilian Compensation Program	0.000	4.267	4.355	4.248	0.000	4.248	4.393	4.476	4.559	4.652	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element provides for payment of civilian compensation benefits for disability due to personal injury sustained while in the performance of duty or due to employment-related disease according to the Federal Employees Compensation Act [FECA] under Title 5 U.S.C., Chapter 81. The Department of Labor [DOL] administers this program and charges the Department of the Air Force for its employee costs; therefore, this is a MUST PAY bill for Air Force. The Program Element[PE] excludes manpower authorizations and costs. This PE is in Budget Activity 7 in support of payment of civilian compensation benefits for disability due to personal injury sustained while in the performance of duty or due to employment-related disease according to FECA under Title 5 U.S.C., Chapter 81.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2023 \$0 was expended for civilian pay expenses in this program element, and in FY2024 \$0 is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	4.267	4.355	0.000	0.000	0.000
Current President's Budget	4.267	4.355	4.248	0.000	4.248
Total Adjustments	0.000	0.000	4.248	0.000	4.248
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	4.248	0.000	4.248

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0901218F <i>I Civilian Compensation Program</i>		
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding.# Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Civilian Compensation Description: Program compensates employees assigned to RDT&E facilities for work-related injuries or occupational diseases. FY 2026 Plans: Input (New language): We will meet Federal Employees' Compensation Act (FECA) requirements to provide compensation benefits to civilian employees who are injured or become ill while performing their duties. RDT&E funds are required for employees in RDT&E occupational series and working at RDT&E facilities. FY 2027 Plans: We will meet Federal Employees' Compensation Act (FECA) requirements to provide compensation benefits to civilian employees who are injured or become ill while performing their duties. RDT&E funds are required for employees in RDT&E occupational series and working at RDT&E facilities. FY 2026 to FY 2027 Increase/Decrease Statement: Increased to meet Federal Employees Compensation Act requirements.	4.267	4.355	4.248
Accomplishments/Planned Programs Subtotals	4.267	4.355	4.248
D. Other Program Funding Summary (\$ in Millions) N/A Remarks			
E. Acquisition Strategy Not Applicable.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901218F / Civilian Compensation Program						Project (Number/Name) 674139 / Civilian Compensation Program			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Continue development of compensation plan	RO	AF/A1 : Pentagon, DC	-	4.267	Apr 2025	4.355	Apr 2026	4.248	Apr 2027	-		4.248	Continuing	Continuing	-
Subtotal			-	4.267		4.355		4.248		-		4.248	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.267		4.355		4.248		-		4.248	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901218F / Civilian Compensation Program		Project (Number/Name) 674139 / Civilian Compensation Program	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Civilian Compensation Program																												
Compensation program																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901218F / Civilian Compensation Program	Project (Number/Name) 674139 / Civilian Compensation Program

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Civilian Compensation Program				
Compensation program	1	2025	4	2027

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901220F I Personnel Administration							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.557	2.728	2.678	0.000	2.678	2.814	2.896	2.947	3.008	Continuing	Continuing
675194: Force Development Transformation	0.000	3.557	2.728	2.678	0.000	2.678	2.814	2.896	2.947	3.008	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Force Development Transformation program contains two independent Department of the Air Force (DAF) initiatives addressing vital personnel issues: Personnel Services Delivery (PSD) and the Total Integration Mobilization Execution System (TIMES).

Personnel Services Delivery:

Personnel Services Delivery (PSD), under the Personnel Administration program, funds operational developments necessary to acquire, field, and modify business processes to transform the delivery of Human Resources (HR) capabilities through the structured redesign of the Total DAF Personnel Community's people (Active Duty, Reserve, Guard, Civilians, and Guardians), processes, and technologies. PSD Transformation fundamentally shifts the way personnel services are provided, transitioning from primarily face-to-face interactions with a personalist to a tiered model with services delivered through online self-service, contact centers, and reduced in-person interactions. PSD supports the migration of legacy applications and other information technologies from on premises data centers to a more sustainable cloud-based hosting solution and flexible services-based architecture as defined by the Defense Enterprise Service Management Framework (DESMF). In addition, funds will be used to perform studies and innovative integration efforts for common technology capabilities such as cloud migration, technology development, and mobile applications.

Total Integration Mobilization Execution System:

The Total Integrated Mobilization Execution System (TIMES) is an agile software development of a mission-critical National Security System (NSS) supporting all Combatant Commands and Defense Agencies. As the DAF system of record, TIMES mobilizes Air Reserve Component (ARC) forces for operational and institutional missions in support of the active component and the Secretary of War's (SECWAR) priorities of deterrence and restoring readiness. TIMES processes over 6,000 global ARC utilization requirements annually, generating mobilization authorizations for contingency operations. TIMES simultaneously and constantly designs, develops, builds, and maintains three applications internal to the TIMES system, while interfacing with twenty plus siloed DAF systems for integration and coordination. By automating and synchronizing the ARC utilization process, TIMES rapidly increases capability and lethality while enabling predictive analytics and data-driven decision-making. The DAF relies on TIMES to mobilize the ARC's forces and capabilities, which is vital to executing the Secretary of War's (SECWAR) national security priorities. FY 2027 funding for TIMES will continue to automate interfacing with the Air Reserve Writing System-Guard/Air Reserve Writing System-Reserve (AROWS/AROWS-R) improving member sourcing for Operational Test and Evaluation (OT&E) needs and continue to automate interfacing with Deliberate and Crisis Action Planning & Execution System (DCAPES) for secure and automated data sharing. The funding will also be used to continue integration with Tri-Service Health Care Program

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901220F I Personnel Administration						
(TRICARE) and the Defense Enrollment Eligibility Reporting System (DEERS) systems, sunset legacy volunteer sourcing tools, and begin the connecting of TIMES to financial systems. Additionally, the funding will also support the system development by continuing to enhance the functionality of the system with the end result moving from Combatant Commander requirements to orders in the hands of ARC forces in an accurate and timely manner.								
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, 0605898F.								
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.								
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total		
Previous President's Budget		3.163	2.766	0.000	0.000	0.000		
Current President's Budget		3.557	2.728	2.678	0.000	2.678		
Total Adjustments		0.394	-0.038	2.678	0.000	2.678		
• Congressional General Reductions		0.000	-0.038					
• Congressional Directed Reductions		0.000	0.000					
• Congressional Rescissions		0.000	0.000					
• Congressional Adds		0.000	0.000					
• Congressional Directed Transfers		0.000	0.000					
• Reprogrammings		0.000	0.000					
• SBIR/STTR Transfer		0.000	0.000					
• Other Adjustments		0.394	0.000	2.678	0.000	2.678		
Change Summary Explanation								
The FY 2026 President's budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: PSD - Human Resource Systems (HRS) Transition				2.079	1.683	1.830	0.000	1.830
Description: The focus of the Personnel Service Delivery (PSD) - Human Resource Systems (HRS) Transition is to directly support our Airmen by transforming the underlying technology of our core Human Resource (HR) capabilities. This program moves beyond basic analysis by implementing a three-phased migration strategy: 1. Establish the Baseline: A comprehensive technical assessment will map the current legacy environment.								

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901220F I Personnel Administration				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
2. Plan & Prototype: This data will inform an executable migration roadmap while key technologies are validated through rapid prototyping. 3. Execute & Validate: The strategy will be proven through a live pilot migration of a core system component into a production-ready cloud environment. This deliberate approach ensures cost-effective modernization that enhances system performance, security, and agility to meet the evolving needs of the Force. FY 2026 Plans: -Execute and complete the foundational "As-Is" Technical Assessment of the Military Personnel Data System (MilPDS) environments. -Findings from the assessment will be used to develop a comprehensive, executable Cloud Migration Roadmap. -Rapid Prototyping of at least two high-impact data integration services to validate the proposed "To-Be" architecture and de-risk the full migration FY 2027 Base Plans: -Will execute a Pilot Migration of non-critical, representative application component of MilPDS (e.g., Officer Promotions module's reporting data) to a production-ready cloud environment -Pilot will serve as a pathfinder to validate the migration strategy, security controls, operational configurations, and cost estimates prior to the full-scale migration effort FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Minor increase due to Pilot Migration efforts to production ready cloud environment.						
Title: TIMES Development Description: TIMES software development uses rapid agile methodology, releasing developments to the production environment in weekly intervals. Since inception, TIMES automation of manual processes and transferal of data has allowed reserve/guard orders to be processed in hours/days instead of weeks. This has resulted in significant improvements in DAF execution of a 1.8 billion reserve/guard Military Personnel Appropriation (MPA) budget, up from 83% execution in FY2019 prior to TIMES implementation to nearly 100% execution in FY2025. TIMES is currently on track for 100% MPA execution in FY2026. FY 2026 Plans:		1.478	1.045	0.848	0.000	0.848

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>			R-1 Program Element (Number/Name) PE 0901220F <i>I Personnel Administration</i>				
C. Accomplishments/Planned Programs (\$ in Millions)							
			FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
- Begin establishing automated interfaces with the orders writing systems (AROWS and AROWS-R) - Begin to interface with Deliberate and Crisis Action Planning and Execution System (DCAPES) for secure and automated data sharing - Begin data integration with Tri-Service Health Care Program (TRICARE) and Defense Enrollment Eligibility Reporting System (DEERS) - Begin sunseting legacy volunteer sourcing tools FY 2027 Base Plans: - Will continue to establish automated interfaces with the orders writing systems (AROWS and AROWS-R) - Will continue to interface with Deliberate and Crisis Action Planning and Execution System (DCAPES) for secure and automated data sharing - Will continue data integration with Tri-Service Health Care Program (TRICARE) and Defense Enrollment Eligibility Reporting System (DEERS) - Will continue to sunset legacy volunteer sourcing tools - Will begin to connect TIMES to financial systems FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The FY 2027 funding decreased due to reduced Engineering, Professional and Administrative Support Services (EPAS) costs.							
Accomplishments/Planned Programs Subtotals			3.557	2.728	2.678	0.000	2.678
D. Other Program Funding Summary (\$ in Millions) N/A							
Remarks							
E. Acquisition Strategy PSD: Personnel Services Delivery (PSD) employs an evolutionary acquisition strategy to deliver incremental Information Technology and Human Resources Capabilities with development contracts that are awarded in a competitive environment. Technology demonstrations and analyses will be used to reduce technology risks, assess Commercial-Off-The-Shelf (COTS) products, and produce technology insertion and migration strategies. In FY2026, a task order will be awarded to develop the executable Cloud Migration Roadmap and conduct Rapid Prototyping of critical data services. A subsequent task order or modification in FY2027 will be used to execute							

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0901220F I Personnel Administration	
the Pilot Migration of the selected Military Personnel Data System (MilPDS) application component. Air Force Program Executive Officer (PEO) for Business and Enterprise Systems (AFPEO BES) is the PEO and Milestone Decision Authority (MDA) for PSD. Air Force Life Cycle Management Center (AFLCMC) is the contracting authority for the PSD Program and provides contracts, legal and comptroller support.		
TIMES: The Total Integration Mobilization Execution System (TIMES) program awarded a Firm Fixed Price Full and Open Competitive Task Order for a one-year Base Period and one one-year Option Period under the General Services Administration (GSA) Multiple Award Schedule. The base year period of performance is from 1 July 2025 - 30 June 2026. TIMES is government owned software, and the contractor support will maintain the system and provide rapid development and capabilities based on the warfighter's top priorities. Development activities include design, build, test, and deploying into production in weekly intervals, ensuring continuous delivery.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901220F / Personnel Administration				Project (Number/Name) 675194 / Force Development Transformation					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSD: HRS Transition Phase 2	C/Various	AST : San Antonio, TX	-	0.211	Oct 2024	0.000		0.000		-		0.000	Continuing	Continuing	-
PSD: Cloud Migration Planning, Roadmap Development, & Rapid Prototyping	C/Various	ANR : Montgomery, AL	-	0.499	Mar 2026	0.880	Mar 2026	0.000	Dec 2026	-		0.000	Continuing	Continuing	-
PSD: Pilot Migration Execution & Testing	C/Various	TBD : San Antonio, TX	-	0.000		0.000		1.275	Dec 2026	-		1.275	Continuing	Continuing	-
PSD: Licenses	C/FP	Various : Various	-	0.111	May 2025	0.000	May 2026	0.000	May 2027	-		0.000	Continuing	Continuing	-
TIMES: System Developer	C/FFP	TBD : TBD	-	1.413	Jun 2025	0.836	Jun 2026	0.780	Jul 2027	-		0.780	Continuing	Continuing	-
TIMES: Cloud Hosting	MIPR	Various : Various	-	0.065	Jun 2025	0.209	Jun 2026	0.068	Jun 2027	-		0.068	Continuing	Continuing	-
PSD: DISA Hosting	MIPR	DISA : Chambersburg, PA	-	0.038	Oct 2024	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	2.337		1.925		2.123		-		2.123	Continuing	Continuing	N/A
Remarks															
TIMES: Cloud Hosting is comprised of three elements - Platform One (AF/AFLCMC), Cloud One (AF/AFLCMC), and ODIN (AF/A2/6)															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSD: Engineering, Professional, and Administrative Support Services (EPASS)	C/CPFF	Torch : Huntsville, AL	-	0.840	Mar 2025	0.540	Mar 2026	0.300	Mar 2027	-		0.300	Continuing	Continuing	-
Subtotal			-	0.840		0.540		0.300		-		0.300	Continuing	Continuing	N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901220F / Personnel Administration						Project (Number/Name) 675194 / Force Development Transformation			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PSD: Program Support Costs	Various	Various : Various	-	0.380	Dec 2024	0.263	Dec 2025	0.255	Dec 2026	-		0.255	Continuing	Continuing	-
Subtotal			-	0.380		0.263		0.255		-		0.255	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.557		2.728		2.678		-		2.678	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0901220F / Personnel Administration

Project (Number/Name)

675194 / Force Development Transformation

FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Personnel Services Delivery (PSD)

Support all aspects of Engineering (software & systems), Requirements Analysis, Config. Mgmt., Database Administration

HRS Transition Phase 2 Contract award & Project Kick-off Preparation

As-Is Technical Assessment Execution & Final Report Delivered

Executable Migration Roadmap & Prototyping Plan Delivered

Rapid Prototype Demonstration & Lessons Learned Report

Begin Pilot Migration of Selected MilPDS Component

Pilot Migration Go-Live in Production Cloud Environment

Pilot Operational Testing Complete & Final Validation Report

TIMES Development

Optimize live modules based on user feedback

Sunset legacy ARCORT

Maintain Cloud Hosting environment and cybersecurity controls

Data integration with orders writing systems

Interface with Deliberate and Crisis Action Planning and Execution System (DCAPES)

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																			Date: April 2026									
Appropriation/Budget Activity										R-1 Program Element (Number/Name)										Project (Number/Name)								
3600 / 7										PE 0901220F / Personnel Administration										675194 / Force Development Transformation								
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Sunset legacy volunteer sourcing tools																												
Data integration with TRICARE, DEERS																												
Connect TIMES to financial systems																												
Data integration with ASIMS, DMDC																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0901220F / Personnel Administration

Project (Number/Name)

675194 / Force Development Transformation

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Personnel Services Delivery (PSD)				
Support all aspects of Engineering (software & systems), Requirements Analysis, Config. Mgmt., Database Administration	1	2025	4	2027
HRS Transition Phase 2 Contract award & Project Kick-off Preparation	1	2025	4	2026
As-Is Technical Assessment Execution & Final Report Delivered	1	2026	2	2026
Executable Migration Roadmap & Prototyping Plan Delivered	3	2026	3	2026
Rapid Prototype Demonstration & Lessons Learned Report	4	2026	4	2026
Begin Pilot Migration of Selected MilPDS Component	1	2027	2	2027
Pilot Migration Go-Live in Production Cloud Environment	3	2027	3	2027
Pilot Operational Testing Complete & Final Validation Report	4	2027	4	2027
TIMES Development				
Optimize live modules based on user feedback	1	2025	4	2028
Sunset legacy ARCORT	1	2025	1	2025
Maintain Cloud Hosting environment and cybersecurity controls	1	2025	4	2031
Data integration with orders writing systems	1	2025	1	2031
Interface with Deliberate and Crisis Action Planning and Execution System (DCAPES)	1	2026	4	2031
Sunset legacy volunteer sourcing tools	2	2026	3	2027
Data integration with TRICARE, DEERS	3	2026	1	2031
Connect TIMES to financial systems	3	2027	3	2030
Data integration with ASIMS, DMDC	1	2028	3	2031

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0901226F I Air Force Studies and Analysis Agency							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.578	14.559	81.252	0.000	81.252	31.246	29.236	27.997	28.561	Continuing	Continuing
676009: M & S DEVELOPMENT	0.000	9.578	14.559	81.252	0.000	81.252	31.246	29.236	27.997	28.561	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Office of Studies and Analysis (SAF/SA) leads strategic assessments of USAF and USSF contributions to Joint-all domain warfighting capabilities regarding current/future force structure, operational lethality, risk/issues and combat agility in military scenarios. The Secretary of the Air Force, Chief of Staff of the Air Force and Chief of Space Operations utilize these analytical assessments to inform Strategy, Planning, Programming, Budgeting, and Execution decisions regarding modernization, development, and procurement quantities of DAF weapon platforms to ultimately provide effective and affordable warfighting capabilities aligned with the National Defense Strategy. From nuclear modernization, autonomous collaborative combat aircraft, integrated missile/ homeland/ base defense, long range Joint kill-chains, SAF/SA provides a wide breadth of analytical insights enabling US decision overmatch through effective and affordable enterprise modeling, simulation and analysis (MS&A) capabilities. SAF/SA utilizes RDT&E funding to modernize and develop MS&A capabilities not just for SAF/SA use, but also as enterprise products used by the DoW, Joint Force, Intelligence Community, industry, academia, and AUKUS Partners.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	9.941	14.761	0.000	0.000	0.000
Current President's Budget	9.578	14.559	81.252	0.000	81.252
Total Adjustments	-0.363	-0.202	81.252	0.000	81.252
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.363	-0.202			
• Other Adjustments	0.000	0.000	81.252	0.000	81.252

Change Summary Explanation

2027: Per OSW direction to SAF/SA backed by funding increases across the portfolio, these investments develop, deliver, sustain, govern, and manage enterprise-wide MS&A tools to the Joint Services.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901226F I Air Force Studies and Analysis Agency		
1) FY27 increase of \$10.6M RDT&E for Joint enterprise mission (ie AFSIM), campaign (ie STORM) modeling, simulation, and analytical (MS&A) tools. 2) FY27 increase of \$40M RDT&E for advanced wargaming MS&A to bridge FY27 gap to 28POM of HAF/A5/7 WarMatrix effort as the potential Joint Operational Wargaming System. 3) 9.365 RDT&E reprogrammed to combine mission level M&S funding supporting AFSIM.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Joint M&S Information Technology Platforms / Joint Modeling, Simulation and Analytics Gateway		1.146	1.248	7.255
Description: An enterprise digital platform providing common, reusable and interoperable enterprise funded modeling, simulation and analysis (MS&A) software tools, data and High Performance Computer resources for 40,000 DoW, Intelligence Community, academic, industry, and AUKUS partner users collectively conducting operations, acquisition, test, training, and other functions at all classification levels. Funding builds upon FY24 prototype through enhancements and integration with other existing platforms into a larger Joint MS&A solution for effective and affordable information sharing. Shares DoW development priorities with AUKUS partners to increase their burden-sharing and align with the 2026 NDS.				
FY 2026 Plans: Continue agile software development of CUI capabilities for deployment onto the Navy's hardware at Secret, TS, TS/SCI and SAP level environments. Integrate the Gateway onto the Navy's SAP hardware, conduct beta testing and address identified gaps. Achieve limited initial operational capability with Digital Material Management's LaunchPad platform. Begin integration with the Intelligence Community's Red Door digital platform for access to authoritative, common red threat data. Begin integration with Air Force Research Laboratory (AFRL) Digital Lab Environment (DLE) to link science and technology practices, processes to collaborate. Develop information technology hardware required to enable AUKUS Partner users access of the digital (AUKUS is the priority) platform capabilities.				
FY 2027 Plans: Partner with Navy and Intelligence Community to enhance and transition Cross Domain Solution (CDS) solutions based on Air Force Research Lab prototype for increased information sharing across classified networks. Integrate with the DAF's Chief Data and Artificial Intelligence Officer platforms to leverage their corporate investments in Artificial Intelligence for development of simulation models, scenarios, and autonomous systems. Deploy and beta test Foreign Partner digital platform environment. Increase integration of systems within Digital Transformation Office's Enterprise Digital Environment.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to OSW FY27 activities and inflation factor. FY27 funding increase integrates OSW R&E Joint Capabilities Digital Environment with ongoing development and optimization of information sharing workflows across Gateway, LaunchPad, Red Door, Digital Lab Environment, Morpheus, and commercial cloud-based compute resources.				
Title: Mission Modeling and Simulation / Analytical Framework for Simulation Integration and Modeling (AFSIM)		7.409	8.840	16.997

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901226F <i>I Air Force Studies and Analysis Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Delivers a government-owned simulation framework to conduct medium-fidelity / operational level live-virtual-constructive modeling, simulation, and analytic assessments of warfighting capabilities, strategies, concepts of operation, tactics, emerging technologies, and human system interfaces in the context of multi-domain military conflicts. AFSIM is the operational simulation tool of choice of 40,000 users/400 organization across the DoW, Intelligence Community, Joint, academic, industry and international partners (United Kingdom, Australia, Japan) informing development/ modernization investment decisions on nearly every major USAF and USSF weapon system (Golden Dome, F-47, B-21, F-35, F-22, Next-Generation Air Dominance, Collaborative Combat Aircraft, Low-Cost Cruise Missile, etc). FY 2026 Plans: Enhance priorities identified by the Joint AFSIM governance structure. Continue development of Golden Dome/ Homeland Defense box-set of common models, scenarios, and data. Enhance space satellite Electro-Optical/ Infra-Red multi-fidelity sensors, command and control capabilities, and other space-orbital warfare related capabilities. Transition Artificial Intelligence model/ scenario assistance tool from USSF to Enterprise level. Continue support in collaboration with DARPA and AFRL on one-way attack / autonomous UAV, collaborative combat aircraft, and advanced munitions. Continue FY25 effort AFSIM with the Joint Simulation Environment (JSE). Initiate development of AFSIM logistics and agile combat support capabilities based on FY25 Air Mobility Command's Modeling and Simulation Modernization Strategy. FY 2027 Plans: Enhance priorities identified by the Joint AFSIM governance structure. Continue agile development and deployment of Golden Dome common model box-sets. Bolster modeling of electromagnetic spectrum interactions and address compute resource scaling challenges. Optimize AFSIM resource management and deployment on cloud compute resources through software containerization, single thread to multi-thread parallelization, computational efficiency schema, and optimization human-machine graphical user interface with low-code functionality. Continue to enhance AFSIM utility for logistics and agile combat support capabilities based on Air Mobility Command's Modeling and Simulation Modernization Strategy. FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to OSW FY27 activities and inflation factor. FY27 funding increase integrates OSW R&E's Mission Engineering Integration Activity with AFSIM capabilities, adding multiple additional domains of warfare to the simulation environment and improving the real-world resolution of the model sets.				
Title: Campaign Modeling and Simulation / Synthetic Theater Operations Research Model (STORM) Description: The DoW's analytic tool of choice for campaign level, constructive MS&A assessments of highly-contested military scenarios to understand strategic impacts of modernization and development of new military capabilities, science and technology		0.576	0.700	5.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901226F <i>I Air Force Studies and Analysis Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions) investment tradeoffs, concepts of operations, and procurement quantities providing analytically driven insights on DoW military lethality and agility, Future Force Design, Airbase Defense, Missile Defense, Space Force structure, nuclear modernization, agile combat support, etc informing essentially every major DAF weapon platform modernization/development investment decision made by the SecAF, CSO and CSAF. STORM is also used by industry and coalition partners (South Korea, Turkey, United Kingdom, Taiwan). SAF/SA executes STORM development activities and capabilities identified and prioritized by an OSW led Joint governance structure. FY 2026 Plans: Continue efforts to enhance targetable space satellites from air/land/sea platforms required for FY26 SecAF/CSO space force structure investments decisions. Leverage 2025 Integrated Air and Missile Defense Study to address MS&A gaps to support Golden Dome / Homeland Defense analytics across the Joint services. Develop STORM's high-altitude nuclear detonation effects models based on 2025 High-altitude Electro Magnetic Pulse effects study. Continue to develop STORM capabilities based Joint governance structure: 1) develop over the horizon radar models Golden Dome analysis, 2) enhance space domain Air Moving Target Indicator (AMTI) capabilities for Long-range Kill Chains, 3) containerize STORM software for deployment on cloud High Performance Computers. FY 2027 Plans: FY27 PDM III would allow enhanced resolution to the STORM simulation environment to include containerization of the model on platforms such as Morpheus and the High-Performance Computing Modernization program. Top-level model enhancements include state-of-the-art campaign level representation of platforms, capabilities, and land formations that conduct theater-wide combat operations in Golden Dome/homeland defense and overseas scenarios that are fully integrated with space operations. Additionally, long-range air-to-air, ISR, and expeditionary warfare enhancements have been scoped across the Joint STORM user community when funding is available. Additional improvements include nuclear, cyber, logistics, sea (both above and below surface), electromagnetic spectrum, and air operations with theater-level command and control. Develop Overhead Persistent Infrared (OPIR) capabilities for surface-to-surface missile launch detection. Enhance satellite sensor field of view, position, coverage, and other sensor phenomena impacted by orbital mechanics. Integrate Navy's autonomous unmanned naval asset models logistics supply chains analysis. FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to OSW FY27 activities and inflation factor. FY27 funding increase leverages artificial intelligence, autonomy and other new techniques to refine and modernize the STORM campaign model to add new functionality and integration of multi-domain warfare.		FY 2025	FY 2026	FY 2027
Title: Airfield Damage-Assessment and Resiliency Model (AD-ARM)		0.447	0.310	2.000

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901226F <i>I Air Force Studies and Analysis Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: A prototype simulation tool developed to tactically assess agile combat support concepts in a highly-contested threat environment for analytics directly informed/informing 2024 OSW Protraction Strategic Portfolio Review, Future Force Design and Agile Combat Employment Concept of Operations efforts. Analytical insights to airbase combat sortie production are provided through multiple factors including runway/ taxiway/ parking area damage-repair capacity, aircraft ground attrition, fuel availability and transport, and airbase defense tradeoffs.				
FY 2026 Plans: Leverage 2025 Generating Sorties Under Attack Study to identify development priorities. Develop cyber security solutions for deployment on government network. Increase imagery sensor model fidelity, integrate Geospatial Engineering features and attributes found in Contingency Basing Selection and Assessment. Integrate operating locations data (nodes to define ground surfaces, dimensional data runway, taxiway, and parking locations/ spots). Add in additional bases located in INDOPACOM and CONUS regions for Golden Dome/Long-Range Kill Chain/Homeland Defense MS&A. Continue software containerization for deployment on cloud compute resources with access to DoW and non-DoW users.				
FY 2027 Plans: AD-ARM is the most comprehensive mission-level simulation under development in the USAF to address enemy attacks on airbases trying to generate combat sorties and needs to be fielded as soon as possible to allow analysts in component MAJCOMs and future force capability development organizations to accurately assess these critical engagements. FY27 plans include enhancements to sortie generation, threat, and geospatial data. These improvements include the modification of airbase munitions storage facility models for increased fidelity of kinetic weapons damage, the addition of forward deployed blue munitions capabilities, autonomous systems, and low cost and advanced red/blue missiles capabilities. Plans include transitioning AD-ARM into an enterprise-level tool, fully integrated into the AFSIM ecosystem, and capable of leveraging advanced machine learning (ML) analytic techniques.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to program planning and inflation factor. Funding increase supports completion of version 1.4 of the simulation and distributing AD-ARM to users in the field. The rapidly evolving joint warfighting environment requires continuous model development to accurately represent the evolving, highly contested threat environment that a modern peer adversary presents. Updating and integrating AD-ARM into an enterprise ecosystem will allow AD-ARM's unique capabilities to be combined with other cutting-edge capabilities in AFSIM and leveraged across the DoW.				
Title: Next-Generation Campaign Modeling Tool Suite Development		0.000	3.461	10.000
Description: The Synthetic Theater Operations Research Model (STORM) has served as the campaign-level tool of choice for the Joint community informing service-level investment and COCOM operational planning decisions for over 20 years, but its software architecture is increasingly challenging to effectively model space, cyber, and electromagnetic spectrum domains in				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901226F <i>I Air Force Studies and Analysis Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
current/future Joint force operations. OSW designated SAF/SA as the Joint Service Lead to develop a next-generation campaign tool and infrastructure for OSW-wide model software development analytical assessments. A STORM replacement capability is required to deliver analytical overmatch in National Security Strategy, aligned to Golden Dome, future force designs, Long-Range Kill Chain, Homeland Defense, Space Orbital Warfare, and war-winning operational planning.				
FY 2026 Plans: Fund civilian positions for PMO office. Develop and approve acquisition strategy aligned with OSW goals and objectives. Complete the requirements collection for the first spiral of software development and start collecting requirements for the second spiral. Award a contract to a system integrator to begin development activities. Enhance the unclassified agile software development environment on the Joint Modeling, Simulation and Analytics Gateway.				
FY 2027 Plans: Complete the program's first spiral development with the delivery of a Minimally Viable Product simulation. Conduct the test and evaluation of the first version of the software. Continue the requirement collection for subsequent spirals.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to FY27 activities. FY27 funding increase integrates the Next Gen Campaign modeling environment with the WarMatrix wargaming tool, completing one of the three OSW Next Gen Campaign tool suite initiatives.				
Title: Advanced Wargaming Modeling and Simulation - WarMatrix		-	0.000	40.000
Description: Integrates Artificial Intelligence (AI), modeling, simulation, and analytical (MS&A) capabilities into wargaming and operational planning processes to enable modernize Force Design and Operation Plan assessment processes. By merging Wargaming's human-centric subjective data with MS&A's objective science driven methods assisted by AI, the combination will be capable of assessing thousands of Force Designs and OPLANs in a matter of weeks-months instead of years.				
FY 2026 Plans: N/A.				
FY 2027 Plans: Develops the HAF/A5/7 WarMatrix prototype, which recently successfully achieved Initial Operational Capability at the Global Engagement 2026 Wargame under the larger effort to modernize legacy wargaming process integration of modeling, simulation, analytical, and Artificial Intelligence capabilities. Activities include development of requirements, technical engineering artifacts,				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0901226F / <i>Air Force Studies and Analysis Agency</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
software development, architecture development, modeling, integration of data bases, and enhancing Artificial Intelligence (AI) algorithms. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase due to FY27 activities. FY27 funding increase provides experimentation opportunities at FY27 wargame and operational training exercise events (ie Space Force Battle School, Bamboo Eagle, Keen Edge, Global Engagement 2027) to assess WarMatrix as the DAF's proposed solution to Office Secretary of War's Joint requirement for Next-Generation Wargaming at which point funding responsibilities would transition from HAF/A5/7 to SAF/SA.				
Accomplishments/Planned Programs Subtotals		9.578	14.559	81.252
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks N/A.				
E. Acquisition Strategy - Enabling IT/Joint Modeling, Simulation and Analytics Gateway: current and future efforts utilize an existing Small Business Innovation Research (SBIR) contract. - Mission MS&A: AFSIM: a new multiple-award contract was established in Dec 2025. - Campaign MS&A: STORM: continue leveraging existing contract. - Mission MS&A: AD-ARM: continue leveraging existing contract. - Campaign MS&A: Next-Generation Campaign Modeling Tool Suite Development - acquisitions will include both organic government work with the Air Force Sustainment Center and a new contract acquisition expected to be awarded in 2027/2028. - Wargaming MS&A: WarMatrix - continue to leverage existing Small Business Innovation Research (SBIR) contract. A competitive, multi-award contract acquisition strategy is being discussed for potential award in 2027/2028.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901226F / Air Force Studies and Analysis Agency				Project (Number/Name) 676009 / M & S DEVELOPMENT					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint M&S Information Technology Platforms / Joint Modeling, Simulation and Analytics Gateway	Various	Various : Wright-Patterson AFB, OH	-	1.146	Mar 2025	1.248	Mar 2026	7.255	Mar 2027	-		7.255	Continuing	Continuing	-
Mission Modeling and Simulation / Analytical Framework for Simulation Integration and Modeling (AFSIM)	Various	Various : Wright-Patterson AFB, OH	-	7.409	Jun 2025	8.840	Mar 2026	16.997	Mar 2027	-		16.997	Continuing	Continuing	-
Campaign Modeling and Simulation / Synthetic Theater Operations Research Model (STORM)	Various	Various : HQ, VA	-	0.576	Mar 2025	0.700	Mar 2026	5.000	Mar 2027	-		5.000	Continuing	Continuing	-
Airfield Damage-Assessment and Resiliency Model (AD-ARM)	Various	Various : HQ, VA	-	0.447	Mar 2025	0.310	Mar 2026	2.000	Mar 2027	-		2.000	Continuing	Continuing	-
Next-Generation Campaign Modeling Tool Suite Development	TBD	TBD : Hill AFB, UT	-	0.000		3.461	Mar 2026	10.000	Mar 2027	-		10.000	Continuing	Continuing	-
Advanced Wargaming Modeling and Simulation - WarMatrix	TBD	TBD : HQ, VA	-	0.000		0.000		40.000	Mar 2027	-		40.000	Continuing	Continuing	-
Subtotal			-	9.578		14.559		81.252		-		81.252	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.578		14.559		81.252		-		81.252	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901226F / Air Force Studies and Analysis Agency		Project (Number/Name) 676009 / M & S DEVELOPMENT	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Joint Modeling, Simulation and Analytics Gateway																												
Software Development																												
Analytical Framework for Simulation Integration and Modeling (AFSIM)																												
Software Development																												
Synthetic Theater Operations Research Model (STORM)																												
Software Development																												
Airfield Damage-Assessment and Resiliency Model (AD-ARM)																												
Software Development																												
Next-Generation Campaign Modeling Tool Suite Development																												
Software Development																												
Advanced Wargaming Modeling and Simulation WarMatrix																												
Software Development																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0901226F / Air Force Studies and Analysis Agency

Project (Number/Name)

676009 / M & S DEVELOPMENT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Joint Modeling, Simulation and Analytics Gateway</i>				
Software Development	1	2025	4	2031
<i>Analytical Framework for Simulation Integration and Modeling (AFSIM)</i>				
Software Development	4	2025	4	2031
<i>Synthetic Theater Operations Research Model (STORM)</i>				
Software Development	1	2025	4	2031
<i>Airfield Damage-Assessment and Resiliency Model (AD-ARM)</i>				
Software Development	1	2025	4	2031
<i>Next-Generation Campaign Modeling Tool Suite Development</i>				
Software Development	1	2026	4	2031
<i>Advanced Wargaming Modeling and Simulation WarMatrix</i>				
Software Development	1	2027	4	2031

Note

Joint Modeling, Simulation and Analytic Gateway FOC expected fourth quarter FY27.

Next-Generation Campaign Modeling Tool Suite Development contract expected to be awarded 4th quarter FY27.

Advanced Wargaming / WarMatrix prototype contract awarded 31 Sept 2026. IOC achieved 27 March 2026. FY27 funds will support contract transition from HAF/A5/7 to SAF/SA bridging the funds gap to 28POM.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0901538F I Financial Management Information Systems Development							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	5.428	3.927	3.316	0.000	3.316	3.475	3.444	3.506	3.577	0.000	26.673
675177: Cost Estimating Modeling (CEM)	0.000	5.428	3.927	3.316	0.000	3.316	3.475	3.444	3.506	3.577	0.000	26.673
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Program MDAP/MAIS Code: N87

A. Mission Description and Budget Item Justification

Cost Estimating Modeling (CEM) enhances Air Force and Space Force-wide cost estimating capabilities by developing current cost estimating datasets and methods and tools, data architectures/structures, and other cost estimating method/tool gap-filling initiatives. In collaboration with the OSW Cost Assessment and Program Evaluation (CAPE) Cost Assessment Data Enterprise (CADE) project, the Department of Defense's (DoD) unified information system and initiative to collect, organize, store, and use contractor and acquisition data more efficiently, CEM products improve the quality, timeliness, and effectiveness of acquisition program cost estimates in support of Department of Air Force (DAF) and DoD acquisition decisions, programming and execution decisions, and Congressional mandates. The partnership between CEM and CADE is a leading example of a data initiative designed as a response to a Congressionally expressed desire for better outcomes in acquisition. CEM research places DAF datasets, analysis, estimating tools, and institutional knowledge availability at analyst's fingertips rather than relying on an inefficient, ad hoc, and decentralized approach.

CEM ensures the DAF continuously improves cost estimating capabilities for broad cross-cutting areas, as well as specific weapon system types like aircraft, space and launch systems, missiles, and others. This project performs knowledge-based studies to include organizing complete datasets, analyzing historical data, and studying changing technologies/programmatic information to develop new estimating methods (e.g., statistical tools, cost estimating relationships) across hundreds of product work breakdown structure elements and functional cost elements. CEM delivers valuable datasets, methods, and analytical tools in support of higher quality/credible estimates required by statute and regulation allowing for more realistic cost-conscious decisions on over 250 billion dollars of critical war-fighter capability. Enables DAF cost estimating community's ability to leverage modern tools and methods such as data science toolsets, including machine learning (ML)/artificial intelligence (AI).

Changing technologies, acquisition laws, policy directives, and initiatives drive the continuous requirement for revised cost estimating processes, methods, and tools. Critical policy requirements for which CEM research facilitates implementation and compliance are:

- Statute (Title 10, U.S. Code Sections 3222, 3225, 4251, 4252, 4253, 4271, and 4328)
- Policy directives (DoD Instructions 5000.73, 5000.75, 5000.80, 5000.85, 5000.87, and Air Force Instruction 65-508)
- FY 2016/17/18/21/26 NDAA reports (PL 114-92/114-328/115-91/116-283) including provisions relating to Major Defense Acquisition Programs (Section 804 of the FY16 NDAA authorized rapid prototyping and rapid fielding of defense systems)
- Annual life-cycle cost estimation requirements
- Weapon System Acquisition Reform Act (WSARA) (provisions related to improving cost estimating quality and affordability analysis)
- Secretary of War acquisition excellence plans (priorities to improve cost estimating capability and affordability analysis)

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901538F I Financial Management Information Systems Development					
- Office of the Secretary of War policy (initiatives on enhanced trade-off analysis, affordability analysis, and cost reduction initiatives) - Alignment with Department of Defense's strategic directive (21 July 2025) on Data, Analytics, and Artificial Intelligence Leadership, which emphasizes the cultivation and adoption of data, analytics, and AI talent to advance the DAF's mission. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.							
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget		5.634	3.982	0.000	0.000	0.000	
Current President's Budget		5.428	3.927	3.316	0.000	3.316	
Total Adjustments		-0.206	-0.055	3.316	0.000	3.316	
• Congressional General Reductions		0.000	0.000				
• Congressional Directed Reductions		0.000	0.000				
• Congressional Rescissions		0.000	0.000				
• Congressional Adds		0.000	0.000				
• Congressional Directed Transfers		0.000	0.000				
• Reprogrammings		0.000	0.000				
• SBIR/STTR Transfer		0.000	0.000				
• Other Adjustments		-0.206	-0.055	3.316	0.000	3.316	
Change Summary Explanation							
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.							
C. Accomplishments/Planned Programs (\$ in Millions)					FY 2025	FY 2026	FY 2027
Title: CEM					5.428	3.927	3.316
Description: Perform knowledge-based studies (KBS) — Develop/modernize cost datasets/databases, data collection process improvements, analysis to develop new estimating methods/tools (e.g., statistical and modeling tools, cost estimating relationships (CERs), schedule estimating relationships (SERs), technical estimating relationships (TERs)), and perform other gap filling studies for aircraft, UAVs, ballistic and tactical missiles, munitions, advanced electronics, aircraft modifications, ground stations and automated information systems, space systems, launch vehicles, and crosscutting areas.							

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901538F / <i>Financial Management Information Systems Development</i>		
C. Accomplishments/Planned Programs (\$ in Millions) ACCOMPLISHMENTS: - Updated the plan and resource summaries to complete cost research across all Air Force weapon system commodities aligned to the SAF/FMC cost research plan. - Continued to develop and share curated datasets and databases mapped into standard structures for use by the cost analysis community. - Developed through machine learning curated cost datasets and databases mapped into standard structures as part of the Cost Analysis Data Operating Model effort, per the SAF/FM Strategic Plan. - Scraped contract modifications data using scripts and prototyping this using large-language models. Employed this data to develop benchmarks to estimate the cost of engineering change orders in the development and production phases of acquisition programs. - Collected historical program data to fill gaps against defined data collection requirements from previous year efforts and integrated historical data collected into CADE system for central access to all DoD. - Continued to work with OSW CADE team to implement data design and structure requirements and visual analysis tool requirements into CADE system - Integrated finalized products into CADE system repository for sharing with the Air Force and DoD cost community. FY 2026 Plans: - Continue efforts in support of the Cost Analysis Data Operating Model by prioritizing capability gaps for future development and evaluating current CEM tools that would benefit by migration to an enterprise solution. -Design, develop, and implement a series of robust, automated data pipelines integrated with dynamic analysis/predictive models, custom applications, and conduct cost and technical studies for the cost estimating community, utilizing state-of-the-art data science tools and ensuring that DAF cost estimating capabilities are leveraging modern toolsets and methods to the maximum extent possible -Collect historical program data to fill gaps against defined data collection requirements from previous year efforts and integrate historical data collected into CADE system for central access to all DoD. - Direct research to develop integrated datasets with embedded CERs and benchmarks, but with structures that let cost analysts easily and quickly re-normalize data for specialized relationships and benchmarks. - Initiate studies that are topical/timely or surface from prior research. - Continue to work with OSW CADE team to implement data design and structure requirements as well as visual analysis tool requirements into CADE system. - Conduct reviews with technical/cost teams and quarterly contractor progress reviews with the government cost team. FY 2027 Plans:		FY 2025	FY 2026	FY 2027

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0901538F / <i>Financial Management Information Systems Development</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Will continue efforts in support of the Cost Analysis Data Operating Model (CADOM) by prioritizing capability gaps for future development and evaluating current CEM tools that would benefit by migration to an enterprise solution. - Will continue to collect historical program data to fill gaps against defined data collection requirements from previous year efforts and integrate historical data collected into CADE system for central access to all DoD. - Will direct research to develop integrated datasets with embedded CERs and benchmarks, but with structures that let cost analysts easily and quickly re-normalize data for specialized relationships and benchmarks. - Will initiate studies that are topical/timely or surface from prior research. - Will continue to work with OSW CADE team to implement data design and structure requirements as well as visual analysis tool requirements into CADE system. - Will conduct reviews with technical/cost teams and quarterly contractor progress reviews with government cost team.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased because of adjustments for inflation and other factors. Scope and thrust remain the same.				
Accomplishments/Planned Programs Subtotals		5.428	3.927	3.316
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks N/A				
E. Acquisition Strategy The CEM program performs studies to continuously develop updated cost datasets/databases and estimating methods and tools, data architectures/structures, and gap filling initiatives. Knowledge-based studies are organized by those that span all acquisition initiatives as well as by the following weapon system types: manned aircraft, UAVs, ballistic missiles, tactical missiles, munitions, electronics and aircraft modifications, ground stations and automated information systems, and space systems and launch vehicles. The DAF's CEM collaboration with the OSW CADE information system and the design objectives for the DAF Cost Analysis Data Operating model provide enhanced and current data/analysis/methods/tools and institutional knowledge at the analyst's fingertips versus an inefficient, ad hoc, and decentralized approach. CEM contracts are firm-fixed price, cost plus, or hybrid as a combination of fixed price and cost plus and are awarded through full and open competition following Federal Acquisition Regulation (FAR) guidelines. The DAF provides contract management oversight and direction. Contract knowledge-based studies progress is reviewed on a quarterly basis and adjusted as needed.				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901538F / Financial Management Information Systems Development				Project (Number/Name) 675177 / Cost Estimating Modeling (CEM)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CEM - CADE System Development/Cost Studies	MIPR	OSD(CAPE) : Pentagon, VA	0.000	2.131	Feb 2025	1.187	Feb 2026	0.904	Feb 2027	-		0.904	0.000	4.222	-
CEM - Other Knowledge-Based Studies	MIPR	Various : Various	0.000	0.050	Jan 2025	0.050	Oct 2025	0.055	Oct 2026	-		0.055	0.000	0.155	-
CEM - Cost Estimating Modeling (CEM) Development	C/Various	Tecolote Research / TBD : Goleta, CA	0.000	3.247	Sep 2025	2.690	Aug 2026	2.357	Aug 2027	-		2.357	0.000	8.294	-
Subtotal			0.000	5.428		3.927		3.316		-		3.316	0.000	12.671	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	5.428		3.927		3.316		-		3.316	0.000	12.671	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force							Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0901538F / <i>Financial Management Information Systems Development</i>				Project (Number/Name) 675177 / <i>Cost Estimating Modeling (CEM)</i>		

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CEM																												
Commodity Specific Knowledge-based Study (KBS) Activities																												
Populate Data Templates w/ Commodity Specific KBS Findings (Ongoing)																												
Develop Cost, Schedule, Technical Estimating Relationships / Estimating Tools / Models																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2025)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2025)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2026)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2026)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2027)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2027)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2028)																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026												
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0901538F / Financial Management Information Systems Development								Project (Number/Name) 675177 / Cost Estimating Modeling (CEM)										
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2028)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2029)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2029)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2030)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2030)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2031)																												
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2031)																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901538F / <i>Financial Management Information Systems Development</i>	Project (Number/Name) 675177 / <i>Cost Estimating Modeling (CEM)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CEM				
Commodity Specific Knowledge-based Study (KBS) Activities	1	2025	4	2031
Populate Data Templates w/ Commodity Specific KBS Findings (Ongoing)	1	2025	4	2031
Develop Cost, Schedule, Technical Estimating Relationships / Estimating Tools / Models	1	2025	4	2031
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2025)	2	2025	2	2025
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2025)	4	2025	4	2025
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2026)	2	2026	2	2026
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2026)	4	2026	4	2026
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2027)	2	2027	2	2027
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2027)	4	2027	4	2027
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2028)	2	2028	2	2028
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2028)	4	2028	4	2028
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2029)	2	2029	2	2029
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2029)	4	2029	4	2029

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901538F / Financial Management Information Systems Development		Project (Number/Name) 675177 / Cost Estimating Modeling (CEM)	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2030)		2	2030	2	2030
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2030)		4	2030	4	2030
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Feb 2031)		2	2031	2	2031
Datasets / Cost, Schedule, Technical Estimating Relationships / Tools / Models Deliverables (Sept 2031)		4	2031	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901554F I Defense Enterprise Acntng and Mgt Sys (DEAMS)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	55.836	38.408	38.301	0.000	38.301	33.549	34.734	35.363	36.077	Continuing	Continuing
675178: Def Enter Acct Mgt Sys (Deams) Incr 2	0.000	55.836	38.408	38.301	0.000	38.301	33.549	34.734	35.363	36.077	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Enterprise Accounting & Management System (DEAMS) is an Enterprise Resource Planning (ERP) program built upon the commercial-off-the-shelf (COTS) Oracle e-Business Suite (EBS) solution. DEAMS is the Department of the Air Force's (DAF) core accounting solution providing a modern financial management capability with robust auditability at its core, making it fundamental to achieving the Secretary of War's (SECWAR) priority for a clean Pentagon audit. By enhancing the accuracy of financial data and strengthening internal controls, DEAMS delivers the accountability necessary to ensure fiscal accountability, the responsible use of taxpayer dollars, and maintain public trust.

DEAMS uses critical financial data to enhance future program planning and execution and will provide greater transparency to defense spending, making it easier to track how funds are being used and identify potential areas for savings.

FY2027 funding will support continued capability development and functionalities within the system. This includes the on-going efforts of making system improvements to maintain an unqualified System and Organizations Control (SOC) audit opinion, ensuring compliance with audit and transparency requirements. Additionally, the funding will be used to continue to enhance the Governmental-Invoicing (G-Invoicing) capability to standardize intragovernmental buy/sell transactions as well as enhance data integrity and automation by evolving the Treasury Direct Disbursement (TDD) capability. The program will also begin integrating the Foreign Military Sales (FMS) accounting systems with DEAMS for improved financial visibility and reconciliation. The funding will also be used to continue to modernize technology by upgrading the Oracle e-Business Suite (EBS) infrastructure and analytic products. These upgrades will enhance system performance, security, and scalability, enabling DEAMS to remain an auditable accounting system.

This program element replaces numerous inefficient and/or obsolete legacy systems with a single, integrated platform that standardizes financial data across the DAF. The streamlined approach ensures data consistency and accuracy, critical for reliable financial reporting and informed decision-making.

This program element supports the current 17,000 users across all United States Air Force (USAF) and United States Space Force (USSF) bases worldwide, serving all Air Force and Space Force Major Commands, and United States Transportation Command (USTRANSCOM). The DAF has future plans to deploy DEAMS to the acquisition community to include acquisition program executive offices, laboratories, test centers, and air logistics complexes. These deployments will add an additional 4,500 users for a total of 21,500 users.

The Defense Enterprise Accounting & Management System (DEAMS) is compliant with the Clinger-Cohen Act and the DoD's Business Enterprise Architecture (BEA). This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901554F I Defense Enterprise Acntng and Mgt Sys (DEAMS)				
The FY2026 spend plan for Research, Development, Test & Evaluation (RDT&E) includes \$38,408 thousand of discretionary and \$20,000 thousand of mandatory (reconciliation) for a total of \$58,408 thousand.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		57.689	38.942	0.000	0.000	0.000
Current President's Budget		55.836	38.408	38.301	0.000	38.301
Total Adjustments		-1.853	-0.534	38.301	0.000	38.301
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-1.853	-0.534			
• Other Adjustments		0.000	0.000	38.301	0.000	38.301
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675178 / Def Enter Acct Mgt Sys (Deams) Incr 2			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675178: Def Enter Acct Mgt Sys (Deams) Incr 2	0.000	55.836	38.408	38.301	0.000	38.301	33.549	34.734	35.363	36.077	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Enterprise Accounting & Management System (DEAMS) is an Enterprise Resource Planning (ERP) program built upon the commercial-off-the-shelf (COTS) Oracle e-Business Suite (EBS) solution. DEAMS is the Department of the Air Force's (DAF) core accounting solution providing a modern financial management capability with robust auditability at its core, making it fundamental to achieving the Secretary of War's (SECWAR) priority for a clean Pentagon audit. By enhancing the accuracy of financial data and strengthening internal controls, DEAMS delivers the accountability necessary to ensure fiscal accountability, the responsible use of taxpayer dollars, and maintain public trust.

DEAMS uses critical financial data to enhance future program planning and execution and will provide greater transparency to defense spending, making it easier to track how funds are being used and identify potential areas for savings.

FY2027 funding will support continued capability development and functionalities within the system. This includes the on-going efforts of making system improvements to maintain an unqualified System and Organizations Control (SOC) audit opinion, ensuring compliance with audit and transparency requirements. Additionally, the funding will be used to continue to enhance the Governmental-Invoicing (G-Invoicing) capability to standardize intragovernmental buy/sell transactions as well as enhance data integrity and automation by evolving the Treasury Direct Disbursement (TDD) capability. The program will also begin integrating the Foreign Military Sales (FMS) accounting systems with DEAMS for improved financial visibility and reconciliation. The funding will also be used to continue to modernize technology by upgrading the Oracle e-Business Suite (EBS) infrastructure and analytic products. These upgrades will enhance system performance, security, and scalability, enabling DEAMS to remain an auditable accounting system.

This program element replaces numerous inefficient and/or obsolete legacy systems with a single, integrated platform that standardizes financial data across the DAF. The streamlined approach ensures data consistency and accuracy, critical for reliable financial reporting and informed decision-making.

This program element supports the current 17,000 users across all United States Air Force (USAF) and United States Space Force (USSF) bases worldwide, serving all Air Force and Space Force Major Commands, and United States Transportation Command (USTRANSCOM). The DAF has future plans to deploy DEAMS to the acquisition community to include acquisition program executive offices, laboratories, test centers, and air logistics complexes. These deployments will add an additional 4,500 users for a total of 21,500 users.

The Defense Enterprise Accounting & Management System (DEAMS) is compliant with the Clinger-Cohen Act and the DoD's Business Enterprise Architecture (BEA). This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)	Project (Number/Name) 675178 / Def Enter Acct Mgt Sys (Deams) Incr 2				
The FY2026 spend plan for Research, Development, Test & Evaluation (RDT&E) includes \$38,408 thousand of discretionary and \$20,000 thousand of mandatory (reconciliation) for a total of \$58,408 thousand.							
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.							
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Defense Enterprise Accounting & Management System (DEAMS) Continuous Capability Development (CCD) Product Development			55.836	38.408	38.301	-	38.301
Description: DEAMS capabilities are developed and enhanced through completion of iterative development cycles in accordance with an Agile software development strategy. Development activities include requirements analysis, design, build, test, implementation, data conversion, migration from legacy system as required, and the resolution of deficiency reports and defects.							
FY 2026 Plans:							
- Begin implementation of Treasury Direct Disbursement (TDD)- Interfund Collections							
- Begin the Oracle e-Business Suite (EBS) Middleware and tech stack upgrades							
- Continue to develop and deploy additional user requirements, functionalities, and enhancements including integration with logistics, payroll, asset accounting, and Artificial Intelligence/Machine Learning (AI/ML) initiatives and enhancements							
- Continue to make system improvements to maintain an unqualified System and Organizations Control (SOC) audit opinion							
- Begin data initiative to transfer DEAMS data to Department of War and Air Force data repositories							
- Continue to improve system efficiency by supporting continuous processes for secure development and delivery of capabilities							
- Continue using Agile methodology via established cadence							
- Continue to optimize performance by conducting tuning activities and removing unused code and interfaces while deploying fixes to address defects and user-identified problems							
- Continue to ensure system security & support the Risk Management Framework (RMF) through continuous monitoring activities and burn-down of cyber vulnerabilities							
FY 2027 Base Plans:							
- Will continue to make system improvements to maintain an unqualified System and Organizations Control (SOC) audit opinion							
- Will continue enhancements of the Governmental Invoicing (G-Invoicing) capability							

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>		Project (Number/Name) 675178 / <i>Def Enter Acct Mgt Sys (Deams) Incr 2</i>	

<u>B. Accomplishments/Planned Programs (\$ in Millions)</u>	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
- Will continue implementation of Treasury Direct Disbursement (TDD)- International Vendor Pay - Will continue the Oracle e-Business Suite (EBS) Middleware and tech stack modernization - Will begin integration of Foreign Military Sales (FMS) accounting systems with the Defense Enterprise Accounting & Management System (DEAMS) - Will continue data initiative for transfer of DEAMS data to Department of War and Air Force data repositories - Will continue to optimize performance by conducting tuning activities and removing unused code and interfaces while deploying fixes to address defects and user-identified problems - Will continue to ensure system security & support the Risk Management Framework (RMF) through continuous monitoring activities and burn-down of cyber vulnerabilities <u>FY 2026 to FY 2027 Increase/Decrease Statement:</u> FY2027 has no significant decrease in discretionary funding from FY2026 to FY2027					
Accomplishments/Planned Programs Subtotals	55.836	38.408	38.301	-	38.301

<u>C. Other Program Funding Summary (\$ in Millions)</u>											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834470: <i>Defense Enterprise Accounting & Mgt Sys</i>	0.000	0.698	0.000	-	0.000	0.000	0.000	-	-	0.000	0.698
<u>Remarks</u>											
<u>D. Acquisition Strategy</u>											
The acquisition strategy develops and sustains capabilities in accordance with the selected Agile software implementation strategy and are prioritized by the Program Management Office (PMO) and Functional Management Offices (FMO), deploying capability on a planned cadence and released on demand. Development activities include requirements analysis, design, build, test, data conversion, migration from legacy system as required, implementation into the DEAMS baseline, and the resolution of deficiency reports and defects. Sustainment activities include day-to-day operations and support, production environment management, and numerous system performance improvement initiatives. This strategy will enable continual enhancements and process improvements for the life of the system. The contracting strategy is a FAR 16.505 Fair Opportunity firm-fixed price (FFP) task order off of the U.S. Army Information Technology Enterprise Solution 3 Services (ITES-3S) contract.											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 I 7	R-1 Program Element (Number/Name) PE 0901554F I Defense Enterprise Acntng and Mgt Sys (DEAMS)	Project (Number/Name) 675178 I Def Enter Acct Mgt Sys (Deams) Incr 2

Program management for the Defense Enterprise Accounting & Management System (DEAMS) program is under direction of Program Executive Office (PEO) Business Enterprise Systems (BES) located at Gunter Annex AFB, AL. The Air Force Life Cycle Management Center (AFLCMC) located at Wright Patterson AFB, OH provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)						Project (Number/Name) 675178 / Def Enter Acct Mgt Sys (Deams) Incr 2			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEAMS: Rapid Acquisition-System Integrator	C/FFP	CACI : Various	-	18.366	Jun 2025	11.166	Jul 2026	6.774	Jun 2027	-		6.774	Continuing	Continuing	-
DEAMS: Subject Matter Expert (SME) Audit Support, General Ledger Reports and Analysis, Business Process Analysis, Master Data Conversion and Training Development	C/T&M	Kearney & Co P.C. / HD 0 : Various	-	13.146	Feb 2025	8.460	Feb 2026	8.778	Feb 2027	-		8.778	Continuing	Continuing	-
DEAMS: Enterprise Resource Planning (ERP) Solution Architecture services	C/FP	DATS : Farmington Hills, MI	-	5.509	May 2025	5.232	May 2026	5.836	May 2027	-		5.836	Continuing	Continuing	-
DEAMS: Direct Mission Support (Development, Integration Environments)	Various	DCIDS/ DCA/CATS/ BCSS/ERC : Various	-	8.398	May 2025	3.218	Jun 2026	5.431	May 2027	-		5.431	Continuing	Continuing	-
DEAMS: Oracle Software Solutions	Various	Various : Various	-	0.383	May 2025	0.075	Jan 2026	0.101	Jan 2027	-		0.101	Continuing	Continuing	-
DEAMS: ERP Development and Support Services	C/FFP	DDCIT-DIS (DINE Sources) : Albuquerque, NM	-	1.266	Nov 2024	1.282	Dec 2026	1.724	Dec 2027	-		1.724	Continuing	Continuing	-
Subtotal			-	47.068		29.433		28.644		-		28.644	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEAMS: Test Services from Joint Interoperability Test Command (JITC) and Lead Development Test Organisation (LDTO)	C/CPAF	Various : Various	-	1.480	Jul 2025	1.185	Jul 2026	1.092	Jul 2027	-		1.092	Continuing	Continuing	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675178 / Def Enter Acct Mgt Sys (Deams) Incr 2					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	1.480		1.185		1.092		-		1.092	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	C/Various	Various : Various	-	7.288	Dec 2024	7.790	Jan 2026	8.565	Dec 2026	0.000	Jan 2027	8.565	Continuing	Continuing	-
Subtotal			-	7.288		7.790		8.565		0.000		8.565	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	55.836		38.408		38.301		0.000		38.301	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>			Project (Number/Name) 675178 / <i>Def Enter Acct Mgt Sys (Deams) Incr 2</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DEAMS CCD																												
Governmental- Invoicing (G-Invoicing) - Requesting Minimum Viable Product (MVP)																												
Identity, Credential, and Access Management (ICAM)																												
Configuration Management Database (CMDB) / System Security (SS)																												
Standard Financial Information System (SFIS)																												
Treasury Direct Disbursement (TDD)- International Payments																												
Job Order Cost Accounting System (JOCAS), Logistics, & Supply																												
Mil Pay Accrual/Receivables & Civ Pay																												
Asset Accounting																												
G-Invoicing - Servicing MVP																												
Follow on contract award																												
Cloud "Go-Live"																												
Oracle e-Business Suite (EBS) infrastructure modernization																												
Analytics server upgrade																												
Adversarial Testing/Cooperative Vulnerability & Penetration Testing																												
Treasury Direct Disbursement- Interfund																												
Data transfer of DEAMS data to Department of War (DoW) data repositories																												
Foreign Military Sales (FMS)																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																				Date: April 2026																	
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)										Project (Number/Name) 675178 / Def Enter Acct Mgt Sys (Deams) Incr 2																	
										FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Acquisition Management System (AMS)																																					
General Accounting and Finance System (GAFS) Data Conversions																																					

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	Project (Number/Name) 675178 / <i>Def Enter Acct Mgt Sys (Deams) Incr 2</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DEAMS CCD				
Governmental- Invoicing (G-Invoicing) - Requesting Minimum Viable Product (MVP)	1	2025	3	2025
Identity, Credential, and Access Management (ICAM)	1	2025	4	2025
Configuration Management Database (CMDDB) / System Security (SS)	2	2025	2	2026
Standard Financial Information System (SFIS)	3	2025	3	2026
Treasury Direct Disbursement (TDD)- International Payments	1	2025	2	2027
Job Order Cost Accounting System (JOCAS), Logistics, & Supply	1	2025	4	2028
Mil Pay Accrual/Receivables & Civ Pay	1	2025	4	2028
Asset Accounting	1	2025	4	2028
G-Invoicing - Servicing MVP	2	2025	1	2026
Follow on contract award	2	2025	4	2026
Cloud "Go-Live"	2	2025	3	2029
Oracle e-Business Suite (EBS) infrastructure modernization	1	2026	1	2027
Analytics server upgrade	1	2026	4	2027
Adversarial Testing/Cooperative Vulnerability & Penetration Testing	1	2026	2	2027
Treasury Direct Disbursement- Interfund	1	2026	4	2028
Data transfer of DEAMS data to Department of War (DoW) data repositories	1	2026	4	2029
Foreign Military Sales (FMS)	2	2027	4	2028
Acquisition Management System (AMS)	2	2028	2	2029
General Accounting and Finance System (GAFS) Data Conversions	1	2029	4	2031

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 1201921F I Service Support to STRATCOM - Space Activities							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.330	0.700	0.000	0.700	0.594	0.410	0.274	0.279	Continuing	Continuing
67A011: Space Analysis and Application Development	0.000	0.000	0.330	0.700	0.000	0.700	0.594	0.410	0.274	0.279	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funds to support USSTRATCOM's Modeling and Simulation activities. The funding profile supports the following activities:

- Support OSD(CAPE) Analysis Working Group (AWG)-related Campaign M&S reform activities, to include attendance at working groups (WGs) and data calls.
- Support collection/development of Command M&S requirements and represent equities within WGs.
- Provide support for testing of capabilities, as applicable.
- Assist in tracking other Command/Department M&S and infrastructure-related activities for consistent messaging and coordination.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY24 0M was expended for civilian pay expenses in this program element, and in FY25 0M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.335	0.000	0.000	0.000
Current President's Budget	0.000	0.330	0.700	0.000	0.700
Total Adjustments	0.000	-0.005	0.700	0.000	0.700
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	-0.005	0.700	0.000	0.700

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1201921F <i>I Service Support to STRATCOM - Space Activities</i>			
Change Summary Explanation Funds were allocated to USSTRATCOM beginning in FY26 to support Department Modeling and Simulation (M&S) activities - the purpose is to have CCMD representation in M&S reform activities.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Modeling and Simulation activities Description: Support OSD(CAPE) Analysis Working Group (AWG)-related Campaign M&S reform activities, to include attendance at working groups (WGs) and data calls. -Support collection/development of Command M&S requirements and represent equities within WGs. -Provide support for testing of capabilities, as applicable. -Assist in tracking other Command/Department M&S and infrastructure-related activities for consistent messaging and coordination. FY 2026 Plans: Support OSD(CAPE) Analysis Working Group (AWG)-related Campaign M&S reform activities, to include attendance at working groups (WGs) and data calls. FY 2027 Plans: Provide support for OSD(CAPE) Analysis Working Group (AWG)-related Campaign M&S reform activities, collection/development of Command M&S requirements, testing of capabilities and assist in tracking other Command/Department M&S and infrastructure-related activities for consistent messaging and coordination. FY 2026 to FY 2027 Increase/Decrease Statement: Projected increase in FTE support for OSD(CAPE) Analysis Working Group (AWG)-related Campaign modeling and simulation (M&S) reform activities, collection/development of Command M&S requirements, testing of capabilities and assist in tracking other Command/Department M&S.		0.000	0.330	0.700
Accomplishments/Planned Programs Subtotals		0.000	0.330	0.700
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Any new projects funded in this program will be awarded using competitive procedures to the maximum extent possible.				

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 1201921F I Service Support to STRATCOM - Space Activities
Best value to the government selected contractors, universities, government facilities, federally funded research and development centers, laboratories, or other organizations		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 1201921F / Service Support to STRAT COM - Space Activities				Project (Number/Name) 67A011 / Space Analysis and Application Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Modeling and Simulation activities	C/Various	Multiple Gov/Civ Agencies : Schriever AFB, CO	-	-		0.330		0.700		-		0.700	Continuing	Continuing	-
Subtotal			-	-		0.330		0.700		-		0.700	Continuing	Continuing	N/A
Remarks Best value to the government selected contractors, universities, government facilities, federally funded research and development centers, laboratories, or other organizations															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		0.330		0.700		-		0.700	Continuing	Continuing	N/A
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 1201921F / Service Support to STRAT COM - Space Activities								Project (Number/Name) 67A011 / Space Analysis and Application Development			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 1201921F / Service Support to STRAT COM - Space Activities	Project (Number/Name) 67A011 / Space Analysis and Application Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Modeling and Simulation activities</i>				
Support collection/development of Command M&S requirement	1	2026	4	2030