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**Department of Defense
Fiscal Year (FY) 2026 Budget Estimates**

June 2025



Air Force

Justification Book Volume 3 of 4

***Research, Development, Test & Evaluation, Air Force
Vol 3***

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Air Force • Budget Estimates FY 2026 • RDT&E Program

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Fiscal Year (FY) 2026 President's Budget RDT&E Descriptive Summaries Budget Activities June 2025

INTRODUCTION AND EXPLANATION OF CONTENTS

GENERAL

- This document has been prepared to provide information on the United States Air Force (USAF) Research, Development, Test and Evaluation (RDT&E) program elements and projects in the FY26 President's Budget (PB).
 - All exhibits in this document have been assembled in accordance with DoD 7000.14R, Financial Management Regulation, Volume 2B, Chapter 5.
 - Other comments on exhibit contents in this document:
 - Exhibits R-2/2a and R-3 provide narrative information for all RDT&E program elements and projects within the USAF FY 2026 RDT&E program with the exception of classified program elements. The format and contents of this document are in accordance to the guidelines and requirements of the Congressional committees in so far as possible.
 - The "Other Program Funding Summary" portion of the R-2 includes, in addition to RDT&E funds, Procurement funds and quantities, Military Construction appropriation funds on specific development programs, Operations and Maintenance appropriation funds where they are essential to the development effort described, and where appropriate, Department of Energy (DOE) costs.

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- All exhibits contained in Volumes I, II, III, and IV are unclassified. Classified exhibits are not included in the submission due to the level of security classification and necessity of special security clearances.

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Department of Defense
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

<u>Appropriation</u>	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
Research, Development, Test and Evaluation, Air Force	47,693,850	46,811,425	69,278	46,880,703	52,017,288	10,226,620	62,243,908
Total Research, Development, Test, & Evaluation	47,693,850	46,811,425	69,278	46,880,703	52,017,288	10,226,620	62,243,908

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

Jun 2025

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

Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
1	0601102F	Defense Research Sciences	01	U	347,393	361,930		361,930	302,716		302,716
2	0601103F	University Research Initiatives	01	U	172,154	146,372		146,372	94,121		94,121
	Basic Research				519,547	508,302		508,302	396,837		396,837
3	0602020F	Future AF Capabilities Applied Research	02	U	77,903	70,277		70,277	78,214		78,214
4	0602022F	University Affiliated Research Center (UARC) - Tactical Autonomy	02	U	6,180	8,225		8,225	6,294		6,294
5	0602102F	Materials	02	U	274,790	185,336		185,336	147,422		147,422
6	0602201F	Aerospace Vehicle Technologies	02	U	188,530	15,235		15,235			
7	0602202F	Human Effectiveness Applied Research	02	U	138,098	137,425		137,425	133,928		133,928
8	0602203F	Aerospace Systems Technologies	02	U	233,413	333,320		333,320	321,059		321,059
9	0602204F	Aerospace Sensors	02	U	236,340	193,029		193,029	199,120		199,120
10	0602212F	Defense Laboratories R&D Projects (10 U.S.C, Sec 2358)	02	U	111,692						
11	0602298F	Science and Technology Management - Major Headquarters Activities	02	U	10,303	9,662		9,662	10,813		10,813
12	0602336F	Nuclear Delivery Systems Tech Exploration	02	U					4,969		4,969
13	0602602F	Conventional Munitions	02	U	149,962	142,497		142,497	125,102		125,102
14	0602605F	Directed Energy Technology	02	U	111,169	98,012		98,012	92,331		92,331
15	0602788F	Dominant Information Sciences and Methods	02	U	337,052	207,333		207,333	187,036		187,036
	Applied Research				1,875,432	1,400,351		1,400,351	1,306,288		1,306,288
16	0603032F	Future AF Integrated Technology Demos	03	U	154,013	161,336		161,336	268,754		268,754

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17	0603112F	Advanced Materials for Weapon Systems	03	U	55,005	32,161		32,161	31,021		31,021
18	0603199F	Sustainment Science and Technology (S&T)	03	U	9,710	5,668		5,668	12,915		12,915
19	0603203F	Advanced Aerospace Sensors	03	U	51,051	37,935		37,935	69,652		69,652
20	0603211F	Aerospace Technology Dev/Demo	03	U	131,596	91,719		91,719	102,125		102,125
21	0603216F	Aerospace Propulsion and Power Technology	03	U	92,129						
22	0603270F	Electronic Combat Technology	03	U	30,543	36,445		36,445			
23	0603273F	Science & Technology for Nuclear Re-entry Systems	03	U	65,088	91,885		91,885	128,407		128,407
24	0603444F	Maui Space Surveillance System (MSSS)	03	U	2						
25	0603456F	Human Effectiveness Advanced Technology Development	03	U	39,929	14,608		14,608	19,790		19,790
26	0603601F	Conventional Weapons Technology	03	U	122,854	125,460		125,460	99,263		99,263
27	0603605F	Advanced Weapons Technology	03	U	96,178	25,050		25,050	4,434		4,434
28	0603680F	Manufacturing Technology Program	03	U	165,721	116,130		116,130	38,891		38,891
29	0603788F	Battlespace Knowledge Development and Demonstration	03	U	59,611	53,672		53,672	30,812		30,812
30	0604776F	Deployment & Distribution Enterprise R&D	03	U		19,441		19,441	28,316		28,316
31	0207412F	Control and Reporting Center (CRC)	03	U		2,012		2,012			
	Advanced Technology Development				1,073,430	813,522		813,522	834,380		834,380
32	0603260F	Intelligence Advanced Development	04	U	6,977	3,820		3,820	3,901		3,901
33	0603742F	Combat Identification Technology	04	U	15,922	16,790		16,790	25,172		25,172

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34	0603790F	NATO Research and Development	04	U	2,208	2,298		2,298	4,595		4,595
35	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	U	51,948	125,561		125,561	90,096		90,096
36	0604001F	NC3 Advanced Concepts	04	U	5,274	5,448		5,448	15,910		15,910
37	0604003F	Advanced Battle Management System (ABMS)	04	U	455,382	611,943		611,943	1,040,475		1,040,475
38	0604004F	Advanced Engine Development	04	U	269,971	100,000		100,000			
39	0604005F	NC3 Commercial Development & Prototyping	04	U	66,406	52,524		52,524	67,081		67,081
40	0604007F	E-7	04	U	849,565	607,413		607,413	199,676		199,676
41	0604009F	AFWERX	04	U	97,250	62,580		62,580	18,499		18,499
42	0604010F	Next Generation Adaptive Propulsion	04	U	573,832	507,337		507,337	330,270		330,270
43	0604015F	Long Range Strike - Bomber	04	U	2,877,844	2,654,073		2,654,073	2,347,225	2,391,920	4,739,145
44	0604025F	Rapid Defense Experimentation Reserve (RDER)	04	U	62,595	75,051		75,051			
45	0604032F	Directed Energy Prototyping	04	U	1,246	1,312		1,312			
46	0604033F	Hypersonics Prototyping	04	U	27,903						
47	0604183F	Hypersonics Prototyping - Hypersonic Attack Cruise Missile (HACM)	04	U	333,328	466,729		466,729	802,810		802,810
48	0604201F	PNT Resiliency, Mods, and Improvements	04	U	17,206						
49	0604257F	Advanced Technology and Sensors	04	U	22,616	15,865		15,865	40,779		40,779
50	0604283F	Battle Mgmt Com & Ctrl Sensor Development	04	U						150,000	150,000

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51	0604288F	Survivable Airborne Operations Center (SAOC)	04	U	717,641	1,617,187		1,617,187			
52	0604317F	Technology Transfer	04	U	35,952	10,485		10,485	3,558		3,558
53	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	U	14,866	139,408		139,408	144,143		144,143
54	0604336F	Nuclear Delivery Systems Prototyping	04	U		39,079		39,079	56,926		56,926
55	0604414F	Cyber Resiliency of Weapon Systems-ACS	04	U	35,712	45,555		45,555	46,148		46,148
56	0604609F	Requirements Analysis & Concept Maturation	04	U		12,622		12,622	22,754		22,754
57	0604668F	Joint Transportation Management System (JTMS)	04	U	26,036	74,103		74,103	129,626		129,626
58	0604776F	Deployment & Distribution Enterprise R&D	04	U	23,733	4,840		4,840	4,996		4,996
59	0604858F	Tech Transition Program	04	U	232,375	239,342		239,342	134,833	164,000	298,833
60	0604860F	Operational Energy and Installation Resilience	04	U	23,270	25,395		25,395	49,460		49,460
61	0605057F	Next Generation Air-refueling System	04	U	9,325	7,014		7,014	12,960		12,960
62	0605164F	Air Refueling Capability Modernization	04	U	15,201	13,661		13,661			
63	0606004F	Nuclear Enterprise Research & Development	04	U					1,097		1,097
64	0606005F	Digital Transformation Office	04	U	57,511	9,800		9,800	15,997		15,997
65	0207110F	F-47	04	U	2,346,905	2,424,208		2,424,208			
66	0207147F	Collaborative Combat Aircraft	04	U		711,747		711,747	111,365	678,000	789,365

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67	0207179F	Autonomous Collaborative Platforms	04	U	110,945	50,666		50,666	62,019		62,019
68	0207420F	Combat Identification	04	U	1,902	1,914		1,914	1,713		1,713
69	0207423F	Advanced Communications Systems	04	U						5,500	5,500
70	0207448F	C2ISR Tactical Data Link	04	U		3,500		3,500			
71	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	U	13,875	8,100		8,100	17,344		17,344
72	0207522F	Airbase Air Defense Systems (ABADS)	04	U	67,182	17,273		17,273	15,785	15,000	30,785
73	0207606F	Joint Simulation Environment (JSE)	04	U		149,502		149,502	260,667		260,667
74	0208030F	War Reserve Materiel - Ammunition	04	U	7,897	5,226		5,226	9,865		9,865
75	0303010F	AF ISR Digital Infrastructure	04	U		18,733		18,733	24,817	2,200	27,017
76	0305236F	Common Data Link Executive Agent (CDL EA)	04	U	25,157	33,349		33,349	32,511		32,511
77	0305601F	Mission Partner Environments	04	U	17,078	18,438		18,438	14,956		14,956
78	0701200F	Enterprise Select Class II	04	U					1,000		1,000
79	0708051F	Rapid Sustainment Modernization (RSM)	04	U	78,431	50,044		50,044	32,666		32,666
80	0808736F	Special Victim Accountability and Investigation	04	U		3,006		3,006	1,997		1,997
81	0808737F	Integrated Primary Prevention	04	U	9,021	5,364		5,364	5,167		5,167
82	0901410F	Contracting Information Technology System	04	U	22,964	28,995		28,995	29,277		29,277
83	1206415F	U.S. Space Command Research and Development Support	04	U	8,782	24,446		24,446	36,913		36,913
Advanced Component Development & Prototypes					9,639,234	11,101,746		11,101,746	6,267,049	3,406,620	9,673,669

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84	0604200F	Future Advanced Weapon Analysis & Programs	05	U	9,589	7,205		7,205	36,125		36,125
85	0604201F	PNT Resiliency, Mods, and Improvements	05	U	171,555	214,900		214,900	125,663		125,663
86	0604222F	Nuclear Weapons Support	05	U	44,219	70,823		70,823	79,312		79,312
87	0604270F	Electronic Warfare Development	05	U	23,673	13,754		13,754	17,013		17,013
88	0604281F	Tactical Data Networks Enterprise	05	U	82,369	78,480		78,480	77,170		77,170
89	0604287F	Physical Security Equipment	05	U	9,836	10,569		10,569	10,589		10,589
90	0604288F	Survivable Airborne Operations Center (SAOC)	05	U					1,826,328	6,800	1,833,128
91	0604602F	Armament/Ordnance Development	05	U	5,036	5,417		5,417	7,253		7,253
92	0604604F	Submunitions	05	U	3,345	3,427		3,427	3,502		3,502
93	0604617F	Agile Combat Support	05	U	50,747	23,635		23,635	23,474		23,474
94	0604706F	Life Support Systems	05	U	37,578	24,502		24,502	20,542		20,542
95	0604735F	Combat Training Ranges	05	U	56,609	160,783		160,783	139,499		139,499
96	0604932F	Long Range Standoff Weapon	05	U	856,942	593,926		593,926	606,955		606,955
97	0604933F	ICBM Fuze Modernization	05	U	40,447				3,252		3,252
98	0605030F	Joint Tactical Network Center (JTNC)	05	U	2,256						
99	0605031F	Joint Tactical Network (JTN)	05	U	452						
100	0605056F	Open Architecture Management	05	U	34,239	41,223		41,223	44,150		44,150
101	0605223F	Advanced Pilot Training	05	U	58,803	248,589		248,589	172,378		172,378
102	0605229F	HH-60W	05	U	39,815						

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103	0605238F	Ground Based Strategic Deterrent EMD	05	U	4,327,250	2,011,024		2,011,024	2,647,563	1,500,000	4,147,563
104	0605296F	Microelectronics Secure Enclave	05	U					104,990		104,990
105	0102417F	Over-the-Horizon Backscatter Radar	05	U	471,042	377,394		377,394			
106	0207039F	Cognitive Electromagnetic Warfare	05	U					44,267		44,267
107	0207110F	F-47	05	U					2,579,362	900,000	3,479,362
108	0207171F	F-15 EPAWSS	05	U	12,975						
109	0207279F	Isolated Personnel Survivability and Recovery	05	U	54,271	10,020		10,020	99,248		99,248
110	0207328F	Stand In Attack Weapon	05	U	220,978	346,341		346,341	255,336		255,336
111	0207407F	Electromagnetic Battle Management (EMBM)	05	U					20,439		20,439
112	0207701F	Full Combat Mission Training	05	U	7,597	7,754		7,754	12,898		12,898
113	0208036F	Medical C-CBRNE Programs	05	U	2,006						
114	0303008F	SATURN	05	U					4,985		4,985
115	0303267F	Auctioned Spectrum Relocation Fund	05	U	21,667						
116	0303867F	AMBIT - Post-Auctioned SRF	05	U	19,057						
117	0305155F	Theater Nuclear Weapon Storage & Security System	05	U		2,000		2,000	19,875		19,875
118	0305205F	Endurance Unmanned Aerial Vehicles	05	U	30,000						
119	0305282F	Joint Fires Network (JFN)	05	U						132,420	132,420
120	0401221F	KC-46A Tanker Squadrons	05	U	78,704	77,804		77,804	145,434		145,434
121	0401319F	VC-25B	05	U	94,750	433,943		433,943	602,318		602,318
122	0701212F	Automated Test Systems	05	U	10,007	21,634		21,634	30,341		30,341

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123	0804772F	Training Developments	05	U	1,248	4,960		4,960	5,067		5,067
124	1203176F	Combat Survivor Evader Locator	05	U		1,135		1,135			
		System Development & Demonstration			6,879,062	4,791,242		4,791,242	9,765,328	2,539,220	12,304,548
125	0604256F	Threat Simulator Development	06	U	16,418	17,291		17,291	41,125		41,125
126	0604759F	Major T&E Investment	06	U	30,758	74,228		74,228	156,915		156,915
127	0605101F	RAND Project Air Force	06	U	30,998	39,720		39,720	32,405		32,405
128	0605502F	Small Business Innovation Research	06	U	947,652						
129	0605712F	Initial Operational Test & Evaluation	06	U	13,720	14,247		14,247	13,872		13,872
130	0605807F	Test and Evaluation Support	06	U	960,429	936,913		936,913	1,098,871		1,098,871
131	0605827F	Acq Workforce- Global Vig & Combat Sys	06	U	317,901	327,724		327,724			
132	0605828F	Acq Workforce- Global Reach	06	U	486,427	503,040		503,040			
133	0605829F	Acq Workforce- Cyber, Network, & Bus Sys	06	U	502,787	466,068		466,068	435,918		435,918
134	0605831F	Acq Workforce- Capability Integration	06	U	273,530	291,444		291,444	1,153,165		1,153,165
135	0605832F	Acq Workforce- Advanced Prgm Technology	06	U	72,767	68,182		68,182			
136	0605833F	Acq Workforce- Nuclear Systems	06	U	305,322	343,180		343,180	368,881		368,881
137	0605898F	Management HQ - R&D	06	U	6,705	6,291		6,291	5,960		5,960
138	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	U	116,389	94,828		94,828	217,761		217,761

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139	0605978F	Facilities Sustainment - Test and Evaluation Support	06	U	56,218	63,579		63,579	91,969		91,969
140	0606017F	Requirements Analysis and Maturation	06	U	114,631	31,450		31,450	28,157		28,157
141	0606398F	Management HQ - T&E	06	U	7,748	7,647		7,647	7,417		7,417
142	0208201F	Offensive small Unmanned Aircraft Systems (sUAS)	06	U					4,985		4,985
143	0303255F	Command, Control, Communication, and Computers (C4) - STRATCOM	06	U	45,725	39,607		39,607	15,662		15,662
144	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	U	96,912	104,133		104,133	101,779		101,779
145	0702806F	Acquisition and Management Support	06	U	24,436	25,216		25,216	22,670		22,670
146	0804776F	Advanced Distributed Learning	06	U		828		828	1,698		1,698
147	0909999F	Financing for Cancelled Account Adjustments	06	U	2,696						
148	1001004F	International Activities	06	U	3,917	4,254		4,254	4,430		4,430
	Management Support				4,434,086	3,459,870		3,459,870	3,803,640		3,803,640
149	0604233F	Specialized Undergraduate Flight Training	07	U	26,265	30,043		30,043	66,200		66,200
150	0604283F	Battle Mgmt Com & Ctrl Sensor Development	07	U	27,388	69,040		69,040	17,353		17,353
151	0604445F	Wide Area Surveillance	07	U	9,269	21,443		21,443			
152	0604617F	Agile Combat Support	07	U	5,446						
153	0604840F	F-35 C2D2	07	U	1,236,710	1,134,207		1,134,207	1,182,094		1,182,094
154	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	U	63,451	49,739		49,739	64,050		64,050

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Line No	Program Element Number	Item	Act	Sec	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request	FY 2026 Reconciliation Request	FY 2026 Total
155	0605024F	Anti-Tamper Technology Executive Agency	07	U	49,311	65,792		65,792	62,965		62,965
156	0605117F	Foreign Materiel Acquisition and Exploitation	07	U	166,851	94,188		94,188			
157	0605229F	HH-60W	07	U		39,629		39,629	43,579	15,129	58,708
158	0605278F	HC/MC-130 Recap RDT&E	07	U	13,195	16,085		16,085	50,845		50,845
159	0606018F	NC3 Integration	07	U	22,222	21,864		21,864	40,066		40,066
160	0101113F	B-52 Squadrons	07	U	880,341	1,051,116		1,051,116	931,164		931,164
161	0101122F	Air-Launched Cruise Missile (ALCM)	07	U	279	542		542	555		555
162	0101126F	B-1B Squadrons	07	U	12,291	17,939		17,939	116,589		116,589
163	0101127F	B-2 Squadrons	07	U	83,010	37,862		37,862	12,519		12,519
164	0101213F	Minuteman Squadrons	07	U	41,732	59,320		59,320	106,032		106,032
165	0101316F	Worldwide Joint Strategic Communications	07	U	23,522	13,690		13,690	24,081		24,081
166	0101318F	Service Support to STRATCOM - Global Strike	07	U	7,562	7,330		7,330	6,928		6,928
167	0101328F	ICBM Reentry Vehicles	07	U	452,306	392,423		392,423	259,605	100,000	359,605
169	0102110F	MH-139A	07	U	25,464	15,000		15,000	5,982		5,982
170	0102326F	Region/Sector Operation Control Center Modernization Program	07	U	831	852		852	726		726
171	0102417F	Over-the-Horizon Backscatter Radar	07	U					132,097	70,600	202,697
172	0202834F	Vehicles and Support Equipment - General	07	U	9,474	6,097		6,097	744		744
173	0205219F	MQ-9 UAV	07	U	82,393	7,074		7,074	26,689		26,689

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174	0205671F	Joint Counter RCIED Electronic Warfare	07	U	2,303	3,372		3,372	3,424		3,424
175	0207040F	Multi-Platform Electronic Warfare Equipment	07	U	14,312						
176	0207133F	F-16 Squadrons	07	U	119,589	104,252		104,252	216,638		216,638
177	0207134F	F-15E Squadrons	07	U	40,348	158,603		158,603	233,018		233,018
178	0207136F	Manned Destructive Suppression	07	U	12,871	13,855		13,855	17,680		17,680
179	0207138F	F-22A Squadrons	07	U	640,109	758,754		758,754	852,332		852,332
180	0207142F	F-35 Squadrons	07	U	88,991	47,132		47,132	48,446		48,446
181	0207146F	F-15EX	07	U	101,996	56,228		56,228	78,345	2,100	80,445
182	0207161F	Tactical AIM Missiles	07	U	40,473	34,932		34,932	86,549		86,549
183	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	U	51,976	53,593		53,593	51,242		51,242
184	0207172F	Joint Advanced Tactical Missile (JATM)	07	U					425,029		425,029
185	0207227F	Combat Rescue - Pararescue	07	U	659	743		743			
186	0207238F	E-11A	07	U	23,044	30,967		30,967	15,244		15,244
187	0207242F	Special Program Applications	07	U						35,000	35,000
188	0207247F	AF TENCAP	07	U	30,649	50,263		50,263	52,492		52,492
189	0207249F	Precision Attack Systems Procurement	07	U	11,459	9,423		9,423	13,613		13,613
190	0207253F	Compass Call	07	U	62,555	132,475		132,475		63,137	63,137
191	0207268F	Aircraft Engine Component Improvement Program	07	U	58,262	60,498		60,498	52,734		52,734

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192	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	U	129,314	181,692		181,692	232,252		232,252
193	0207327F	Small Diameter Bomb (SDB)	07	U	42,860	29,910		29,910	24,810		24,810
194	0207410F	Air & Space Operations Center (AOC)	07	U	69,798	65,102		65,102	113,086		113,086
195	0207412F	Control and Reporting Center (CRC)	07	U	17,074	16,856		16,856	17,569		17,569
196	0207418F	AFSPECCWAR - TACP	07	U	1,622	1,433		1,433			
198	0207431F	Combat Air Intelligence System Activities	07	U	75,883	25,049		25,049	33,601		33,601
199	0207438F	Theater Battle Management (TBM) C4I	07	U	6,231	4,401		4,401	6,787		6,787
200	0207439F	Electromagnetic Warfare Int Reprog (EWIR)	07	U	10,007	13,577		13,577	60,072		60,072
201	0207444F	Tactical Air Control Party-Mod	07	U	24,093	12,171		12,171			
202	0207452F	DCAPES	07	U	6,686	8,431		8,431	8,507		8,507
203	0207457F	Air Force Special Warfare (SPECWAR)	07	U					27,526		27,526
204	0207521F	Air Force Calibration Programs	07	U	2,172	2,223		2,223	2,273		2,273
205	0207573F	National Technical Nuclear Forensics	07	U	1,974	2,060		2,060			
206	0207590F	Seek Eagle	07	U	33,417	34,985		34,985	33,707		33,707
207	0207605F	Wargaming and Simulation Centers	07	U	11,894						
208	0207611F	Readiness Decision Support Enterprise	07	U					8,880		8,880
209	0207697F	Distributed Training and Exercises	07	U	3,678	3,964		3,964	4,399		4,399
210	0207701F	Full Combat Mission Training	07	U		3,948		3,948	8,096		8,096

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211	0208006F	Mission Planning Systems	07	U	83,500	80,709		80,709	138,745		138,745
212	0208007F	Tactical Deception	07	U	35,250	539		539	13,711		13,711
213	0208087F	Distributed Cyber Warfare Operations	07	U	40,457	29,996		29,996	31,197		31,197
214	0208088F	AF Defensive Cyberspace Operations	07	U	62,058	89,618		89,618	95,034		95,034
218	0208288F	Intel Data Applications	07	U	5,217	988		988	1,012	6,700	7,712
219	0301025F	GeoBase	07	U	1,458				999		999
220	0301113F	Cyber Security Intelligence Support	07	U	8,476	18,141		18,141	14,749		14,749
226	0301377F	Countering Advanced Conventional Weapons (CACW)	07	U		834		834	1,117		1,117
228	0301401F	AF Multi-Domain Non-Traditional ISR Battlespace Awareness	07	U	2,890	3,006		3,006	2,987		2,987
229	0302015F	E-4B National Airborne Operations Center (NAOC)	07	U	42,074	57,441		57,441	54,457		54,457
230	0302315F	Non-Kinetic Countermeasure Support	07	U		7,590		7,590	7,006		7,006
231	0303004F	EIT CONNECT	07	U	7,923	16,120		16,120			
232	0303089F	Cyberspace and DoDIN Operations	07	U	4,738	9,776		9,776	10,080		10,080
233	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	U	31,099	25,500		25,500	99,599		99,599
234	0303133F	High Frequency Radio Systems	07	U	26,370	8,667		8,667	19,955		19,955
235	0303140F	Information Systems Security Program	07	U	89,233	94,424		94,424	98,414		98,414
236	0303248F	All Domain Common Platform	07	U	69,565	82,927		82,927	76,642		76,642
237	0303260F	Joint Military Deception Initiative	07	U	4,510	7,324		7,324	356		356

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238	0304100F	Strategic Mission Planning & Execution System (SMPES)	07	U	62,807	69,441		69,441	75,164		75,164
239	0304109F	THRESHER	07	U					105		105
242	0304260F	Airborne SIGINT Enterprise	07	U	113,429	85,284		85,284	90,650		90,650
243	0304310F	Commercial Economic Analysis	07	U	4,245	4,719		4,719	4,127		4,127
246	0305015F	C2 Air Operations Suite - C2 Info Services	07	U	13,273	13,524		13,524			
247	0305020F	CCMD Intelligence Information Technology	07	U	1,660	1,836		1,836	1,547		1,547
248	0305022F	ISR Modernization & Automation Dvmt (IMAD)	07	U	15,180	19,409		19,409	22,237		22,237
249	0305099F	Global Air Traffic Management (GATM)	07	U	4,928	5,151		5,151	4,257		4,257
250	0305103F	Cyber Security Initiative	07	U		304		304	310		310
251	0305111F	Weather Service	07	U	52,701	40,782		40,782	30,509		30,509
252	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	U	25,910	15,143		15,143	17,259		17,259
253	0305116F	Aerial Targets	07	U	6,671	6,085		6,085	5,081		5,081
256	0305128F	Security and Investigative Activities	07	U	339	481		481	8,964		8,964
257	0305146F	Defense Joint Counterintelligence Activities	07	U	6,930	6,387		6,387	6,524		6,524
258	0305158F	Tactical Terminal	07	U		501		501	1,099		1,099
259	0305179F	Integrated Broadcast Service (IBS)	07	U	18,540	16,006		16,006	19,085		19,085
260	0305202F	Dragon U-2	07	U	16,842						
261	0305206F	Airborne Reconnaissance Systems	07	U	56,158	84,363		84,363	25,432		25,432

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262	0305207F	Manned Reconnaissance Systems	07	U	14,330	16,323		16,323	16,643		16,643
263	0305208F	Distributed Common Ground/Surface Systems	07	U	92,354	86,476		86,476	79,033		79,033
264	0305220F	RQ-4 UAV	07	U	1,242	6,171		6,171			
265	0305221F	Network-Centric Collaborative Targeting	07	U	20,696	8,952		8,952	12,019		12,019
266	0305238F	NATO AGS	07	U	2	865		865	816		816
267	0305240F	ISR Transport and Processing	07	U	33,589	30,932		30,932	32,578		32,578
268	0305249F	AF JWICS Enterprise	07	U		9,445		9,445	21,097		21,097
269	0305600F	International Intelligence Technology and Architectures	07	U	15,322	17,784		17,784	18,946		18,946
270	0305836F	C2IMERA	07	U					13,867		13,867
271	0305881F	Rapid Cyber Acquisition	07	U	8,482						
272	0305903F	COCOM Mobile Command and Control Centers (MCCCs)	07	U					3,988		3,988
273	0305984F	Personnel Recovery Command & Ctrl (PRC2)	07	U	3,162	2,831		2,831	2,891		2,891
274	0307577F	Intelligence Mission Data (IMD)	07	U	7,090	3,658		3,658	3,000		3,000
275	0401115F	C-130 Airlift Squadron	07	U	21,959						
276	0401119F	C-5 Airlift Squadrons (IF)	07	U	25,938	32,903		32,903	33,713		33,713
277	0401130F	C-17 Aircraft (IF)	07	U	2,702	11,986		11,986	76,514	4,410	80,924
278	0401132F	C-130J Program	07	U	21,469	63,533		63,533	31,354		31,354
279	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	U	3,909	7,768		7,768	52,928		52,928
280	0401218F	KC-135s	07	U	71,854	9,899		9,899		43,000	43,000

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281	0401318F	CV-22	07	U	16,581	26,249		26,249	653	30,857	31,510
282	0408011F	Special Tactics / Combat Control	07	U	7,711	9,421		9,421			
283	0708610F	Logistics Information Technology (LOGIT)	07	U	20,682	11,895		11,895	18,581		18,581
284	0801380F	AF LVC Operational Training (LVC-OT)	07	U	21,423	27,535		27,535	33,898		33,898
285	0804743F	Other Flight Training	07	U	2,182	1,159		1,159	2,371		2,371
286	0901202F	Joint Personnel Recovery Agency	07	U	2,158	2,320		2,320	2,080		2,080
287	0901218F	Civilian Compensation Program	07	U	3,703	4,267		4,267	4,355		4,355
288	0901220F	Personnel Administration	07	U	3,559	3,163		3,163	2,766		2,766
289	0901226F	Air Force Studies and Analysis Agency	07	U	875	9,941		9,941	14,761		14,761
290	0901538F	Financial Management Information Systems Development	07	U	4,093	5,634		5,634	3,982		3,982
291	0901554F	Defense Enterprise Acntng and Mgt Sys (DEAMS)	07	U	48,412	57,689		57,689	38,942		38,942
292	1201921F	Service Support to STRATCOM - Space Activities	07	U					335		335
293	1202140F	Service Support to SPACECOM Activities	07	U	9,752						
999	999999999	Classified Programs	07	U	16,897,785	18,292,410	69,278	18,361,688	22,264,031	3,909,847	26,173,878
		Operational Systems Development			23,273,059	24,736,392	69,278	24,805,670	29,643,766	4,280,780	33,924,546
Total Research, Development, Test and Evaluation, Air Force					47,693,850	46,811,425	69,278	46,880,703	52,017,288	10,226,620	62,243,908

1. FY 2024 includes \$6,958K in OOC Actuals. FY 2025 includes \$2,819K in OOC Enactment. FY 2026 includes \$2,012K for the OOC Budget Estimate.

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Tactical Data Networks Enterprise	0604281F	88	05.....	Volume 2 - 645
Tactical Deception	0208007F	212	07.....	Volume 4 - 205
Tactical Terminal	0305158F	258	07.....	Volume 4 - 539
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Department of Defense
FY 2026 President's Budget
Exhibit R-1 FY 2026 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2025

	FY 2024 Actuals	FY 2025 Enacted	FY 2025 Supplemental	FY 2025 Total	FY 2026 Disc Request ¹	FY 2026 Reconciliation Request	FY 2026 Total
<u>Summary Recap of Budget Activities</u>							
Basic Research	519,547	508,302		508,302	396,837		396,837
Applied Research	1,875,432	1,400,351		1,400,351	1,306,288		1,306,288
Advanced Technology Development	1,073,430	813,522		813,522	834,380		834,380
Advanced Component Development & Prototypes	9,639,234	11,101,746		11,101,746	6,267,049	3,406,620	9,673,669
System Development & Demonstration	6,879,062	4,791,242		4,791,242	9,765,328	2,539,220	12,304,548
Management Support	4,434,086	3,459,870		3,459,870	3,803,640		3,803,640
Operational Systems Development	23,273,059	24,736,392	69,278	24,805,670	29,643,766	4,280,780	33,924,546
Total Research, Development, Test, & Evaluation	47,693,850	46,811,425	69,278	46,880,703	52,017,288	10,226,620	62,243,908
<u>Summary Recap of FYDP Programs</u>							
Strategic Forces	1,998,380	1,973,468		1,973,468	1,596,278	170,600	1,766,878
General Purpose Forces	4,901,181	5,874,176		5,874,176	6,530,776	1,705,437	8,236,213
Intelligence and Communications	1,139,814	1,100,863		1,100,863	1,118,174	134,620	1,252,794
Mobility Forces	345,577	673,506		673,506	942,914	78,267	1,021,181
Research and Development	22,132,772	18,603,517		18,603,517	19,271,818	4,227,849	23,499,667
Central Supply and Maintenance	133,556	108,789		108,789	105,258		105,258
Training Medical and Other	33,874	42,852		42,852	50,198		50,198
Administration and Associated Activities	88,460	112,009		112,009	96,163		96,163
Support of Other Nations	3,917	4,254		4,254	4,430		4,430
Space	18,534	25,581		25,581	37,248		37,248
Classified Programs	16,897,785	18,292,410	69,278	18,361,688	22,264,031	3,909,847	26,173,878
Total Research, Development, Test, & Evaluation	47,693,850	46,811,425	69,278	46,880,703	52,017,288	10,226,620	62,243,908

1. FY 2024 includes \$6,958K in OOC Actuals. FY 2025 includes \$2,819K in OOC Enactment. FY 2026 includes \$2,012K for the OOC Budget Estimate.

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Department of the Air Force
TOTAL CIVILIAN PERSONNEL COSTS
OP-8B: OP-8 (PB)
FY 2026 President's Budget Submission
(FY 2024)

	(\$ in Thousands)											Rates				
	a Begin Strength	b End Strength	c FTEs	d Basic Comp	e Overtime Pay	f Holiday Pay	g Other O.C.11	e + f + g h Total Variables	d + h i Comp O.C.11	j Benefits O.C.12/13	i + j k Comp & Benefits	d/c l Basic Comp	i/c m Total Comp	Rates k/c n Comp & Benefits	h/d o % BC Variables	j/d p % BC Benefits
Direct Funded Personnel (includes OC 13)	20,333	19,927	19,969	2,489,673	0	0	0	0	2,489,673	1,100,619	3,590,292	\$124,677	\$124,677	\$179,793	0.0%	44.2%
D1. US Direct Hire (USDH)	20,329	19,925	19,967	2,489,341	-	-	-	-	2,489,341	1,100,619	3,589,960	\$124,673	\$124,673	\$179,795	0.0%	44.2%
D1a. Senior Executive Schedule	23	75	75	11,567	-	-	-	-	11,567	4,164	15,731	\$154,227	\$154,227	\$209,747	0.0%	36.0%
D1b. General Schedule	19,425	16,594	16,636	2,251,683	-	-	-	-	2,251,683	1,015,062	3,266,745	\$135,350	\$135,350	\$196,366	0.0%	45.1%
D1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1d. Wage System	881	3,256	3,256	226,091	-	-	-	-	226,091	81,393	307,484	\$69,438	\$69,438	\$94,436	0.0%	36.0%
D1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1f. Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D3. Total Direct Hire	20,329	19,925	19,967	2,489,341	-	-	-	-	2,489,341	1,100,619	3,589,960	\$124,673	\$124,673	\$179,795	0.0%	44.2%
D4. Indirect Hire Foreign Nationals (IHFN)	4	2	2	332	-	-	-	-	332	0	332	\$166,000	\$166,000	\$166,000	0.0%	0.0%
Subtotal - Direct Funded (excludes OC 13)	20,333	19,927	19,969	2,489,673	-	-	-	-	2,489,673	1,100,619	3,590,292	\$124,677	\$124,677	\$179,793	0.0%	44.2%
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)	2,788	4,007	4,007	544,987	0	0	0	0	544,987	0	544,987	\$136,009	\$136,009	\$136,009	0.0%	0.0%
R1. US Direct Hire (USDH)	2,788	4,007	4,007	544,987	-	-	-	-	544,987	-	544,987	\$136,009	\$136,009	\$136,009	0.0%	0.0%
R1a. Senior Executive Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1b. General Schedule	2,788	4,007	4,007	544,987	-	-	-	-	544,987	-	544,987	\$136,009	\$136,009	\$136,009	0.0%	0.0%
R1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1d. Wage System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1f. Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R3. Total Direct Hire	2,788	4,007	4,007	544,987	-	-	-	-	544,987	-	544,987	\$136,009	\$136,009	\$136,009	0.0%	0.0%
R4. Indirect Hire Foreign Nationals (IHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Reimbursable Funded (excludes OC 13)	2,788	4,007	4,007	544,987	-	-	-	-	544,987	-	544,987	\$136,009	\$136,009	\$136,009	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)	23,121	23,934	23,976	3,034,660	0	0	0	0	3,034,660	1,100,619	4,135,279	\$126,571	\$126,571	\$172,476	0.0%	36.3%
T1. US Direct Hire (USDH)	23,117	23,932	23,974	3,034,328	-	-	-	-	3,034,328	1,100,619	4,134,947	\$126,567	\$126,567	\$172,476	0.0%	36.3%
T1a. Senior Executive Schedule	23	75	75	11,567	0	0	0	0	11,567	4,164	15,731	\$154,227	\$154,227	\$209,747	0.0%	36.0%
T1b. General Schedule	22,213	20,601	20,643	2,796,670	0	0	0	0	2,796,670	1,015,062	3,811,732	\$135,478	\$135,478	\$184,650	0.0%	36.3%
T1c. Special Schedule	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T1d. Wage System	881	3,256	3,256	226,091	0	0	0	0	226,091	81,393	307,484	\$69,438	\$69,438	\$94,436	0.0%	36.0%
T1e. Highly Qualified Experts	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
T1f. Other	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	23,117	23,932	23,974	3,034,328	-	-	-	-	3,034,328	1,100,619	4,134,947	\$126,567	\$126,567	\$172,476	0.0%	36.3%
T4. Indirect Hire Foreign Nationals (IHFN)	4	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)	23,121	23,934	23,976	3,034,660	-	-	-	-	3,034,660	1,100,619	4,135,279	\$126,571	\$126,571	\$172,476	0.0%	36.3%
T5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5c. Voluntary Separation Incentive Pay (VSIP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5d. Foreign National Separation Liability Accrual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Department of the Air Force
TOTAL CIVILIAN PERSONNEL COSTS
OP-8B: OP-8 (PB)
FY 2026 President's Budget Submission
(FY 2025)

	(S in Thousands)											Rates				
	a Begin Strength	b End Strength	c FTEs	d Basic Comp	e Overtime Pay	f Holiday Pay	g Other O.C.11	e + f + g h Total Variables	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	19,949	2,367,894	0	0	0	0	2,367,894	723,652	3,091,546	\$118,697	\$118,697	\$154,972	0.0%	30.6%
D1. US Direct Hire (USDH)	19,925	19,947	19,947	2,367,562	-	-	-	-	2,367,562	723,652	3,091,214	\$118,693	\$118,693	\$154,971	0.0%	30.6%
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	16,616	2,106,606					2,106,606	629,708	2,736,314	\$126,782	\$126,782	\$164,679	0.0%	29.9%
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	-	-	-	-					-	-	-	-	-	-	-	-
D1f. Other	-	-	-	-					-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-					-	-	-	-	-	-	-	-
D3. Total Direct Hire	19,925	19,947	19,947	2,367,562	-	-	-	-	2,367,562	723,652	3,091,214	\$118,693	\$118,693	\$154,971	0.0%	30.6%
D4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	332					332	332	332	\$166,000	\$166,000	\$166,000	0.0%	0.0%
Subtotal - Direct Funded (excludes OC 13)	19,927	19,949	19,949	2,367,894	-	-	-	-	2,367,894	723,652	3,091,546	\$118,697	\$118,697	\$154,972	0.0%	30.6%
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	-	-	-	-					-	-	-	-	-	-	-	-
R1f. Other	-	-	-	-					-	-	-	-	-	-	-	-
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	24,540	2,933,696	0	0	0	0	2,933,696	723,652	3,657,348	\$119,548	\$119,548	\$149,036	0.0%	24.7%
T1. US Direct Hire (USDH)	23,932	24,538	24,538	2,933,364	-	-	-	-	2,933,364	723,652	3,657,016	\$119,544	\$119,544	\$149,035	0.0%	24.7%
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	21,207	2,672,408	0	0	0	0	2,672,408	629,708	3,302,116	\$126,015	\$126,015	\$153,709	0.0%	23.6%
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	-	-	-	-	-
T1f. Other	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	24,538	2,933,364	-	-	-	-	2,933,364	723,652	3,657,016	\$119,544	\$119,544	\$149,035	0.0%	24.7%
T4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	332	0	0	0	0	332	332	332	\$166,000	\$166,000	\$166,000	0.0%	0.0%
Subtotal - Total Funded (excludes OC 13)	23,934	24,540	24,540	2,933,696	-	-	-	-	2,933,696	723,652	3,657,348	\$119,548	\$119,548	\$149,036	0.0%	24.7%
T5. Other Object Class 13 Benefits																
T5a. USDH - Benefits for Former Employees																
T5b. DHFN - Benefits for Former Employees																
T5c. Voluntary Separation Incentive Pay (VSIP)																
T5d. Foreign National Separation Liability Accrual																

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Department of the Air Force TOTAL CIVILIAN PERSONNEL COSTS OP-8B: OP-8 (PB) FY 2026 President's Budget Submission (FY 2026)															
	(\$ in Thousands)											d/c	i/c	Rates	j/d
	a	b	c	d	e	f	g	e + f + g	d + h	i	i + j	l	m	k/c	h/d
	Begin	End	FTEs	Basic	Overtime	Holiday	Other	Total	Comp	Benefits	Comp	Basic	Total	Comp	% BC
	Strength	Strength		Comp	Pay	Pay	O.C.11	Variables	O.C.11	O.C.12/13	& Benefits	Comp	Comp	& Benefits	Variables
Direct Funded Personnel (includes OC 13)	19,949	17,503	17,503	2,272,636	0	0	0	0	2,272,636	775,242	3,047,878	\$129,843	\$129,843	\$174,135	0.0%
D1. US Direct Hire (USDH)	19,947	17,501	17,501	2,272,297	-	-	-	-	2,272,297	775,242	3,047,539	\$129,838	\$129,838	\$174,135	0.0%
D1a. Senior Executive Schedule	75	75	75	18,750	-	-	-	-	18,750	4,588	23,338	\$250,000	\$250,000	\$311,173	0.0%
D1b. General Schedule	16,616	14,437	14,437	1,973,531	-	-	-	-	1,973,531	678,894	2,652,425	\$136,700	\$136,700	\$183,724	0.0%
D1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1d. Wage System	3,256	2,989	2,989	280,016	-	-	-	-	280,016	91,760	371,776	\$93,682	\$93,682	\$124,381	0.0%
D1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D1f. Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D3. Total Direct Hire	19,947	17,501	17,501	2,272,297	-	-	-	-	2,272,297	775,242	3,047,539	\$129,838	\$129,838	\$174,135	0.0%
D4. Indirect Hire Foreign Nationals (IHFN)	2	2	2	339	-	-	-	-	339	-	339	\$169,500	\$169,500	\$169,500	0.0%
Subtotal - Direct Funded (excludes OC 13)	19,949	17,503	17,503	2,272,636	-	-	-	-	2,272,636	775,242	3,047,878	\$129,843	\$129,843	\$174,135	0.0%
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)	4,591	5,082	5,082	577,439	0	0	0	0	577,439	0	577,439	\$113,624	\$113,624	\$113,624	0.0%
R1. US Direct Hire (USDH)	4,591	5,082	5,082	577,439	-	-	-	-	577,439	-	577,439	\$113,624	\$113,624	\$113,624	0.0%
R1a. Senior Executive Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1b. General Schedule	4,591	5,082	5,067	576,089	-	-	-	-	576,089	-	576,089	\$113,694	\$113,694	\$113,694	0.0%
R1c. Special Schedule	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1d. Wage System	-	-	15	1,350	-	-	-	-	1,350	-	1,350	\$90,000	\$90,000	\$90,000	0.0%
R1e. Highly Qualified Experts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R1f. Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R2. Direct Hire Program Foreign Nationals (DHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R3. Total Direct Hire	4,591	5,082	5,082	577,439	-	-	-	-	577,439	-	577,439	\$113,624	\$113,624	\$113,624	0.0%
R4. Indirect Hire Foreign Nationals (IHFN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Reimbursable Funded (excludes OC 13)	4,591	5,082	5,082	577,439	-	-	-	-	577,439	-	577,439	\$113,624	\$113,624	\$113,624	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)	24,540	22,585	22,585	2,850,075	0	0	0	0	2,850,075	775,242	3,625,317	\$126,193	\$126,193	\$160,519	0.0%
T1. US Direct Hire (USDH)	24,538	22,583	22,583	2,849,736	-	-	-	-	2,849,736	775,242	3,624,978	\$126,189	\$126,189	\$160,518	0.0%
T1a. Senior Executive Schedule	75	75	75	18,750	0	0	0	0	18,750	4,588	23,338	\$250,000	\$250,000	\$311,173	0.0%
T1b. General Schedule	21,207	19,519	19,504	2,549,620	0	0	0	0	2,549,620	678,894	3,228,514	\$130,723	\$130,723	\$165,531	0.0%
T1c. Special Schedule	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
T1d. Wage System	3,256	2,989	3,004	281,366	0	0	0	0	281,366	91,760	373,126	\$93,664	\$93,664	\$124,210	0.0%
T1e. Highly Qualified Experts	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
T1f. Other	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	24,538	22,583	22,583	2,849,736	-	-	-	-	2,849,736	775,242	3,624,978	\$126,189	\$126,189	\$160,518	0.0%
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%
Subtotal - Total Funded (excludes OC 13)	24,540	22,585	22,585	2,850,075	-	-	-	-	2,850,075	775,242	3,625,317	\$126,193	\$126,193	\$160,519	0.0%
T5. Other Object Class 13 Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5a. USDH - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5b. DHFN - Benefits for Former Employees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5c. Voluntary Separation Incentive Pay (VSIP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T5d. Foreign National Separation Liability Accrual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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*All figures in this exhibit are for the FY 2026 discretionary appropriations
President's Budget request unless otherwise noted.*

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ACRONYMS

GENERAL ACRONYMS

A&AS	- Advisory & Assistance Services
ABIDES	- Automated Budget Interactive Data Environment System
ACAT	- Acquisition Category
ACTD	- Advanced Concept Technology Demonstration
AGM	- Air-to-Ground Missile
AIM	- Air Intercept Missile
AIS	- Avionics Intermediate Shop
ACMI	- Aircraft Combat Maneuvering Instrumentation
AMRAAM	- Advanced Medium-Range Air-to-Air Missile
APPN	- Appropriation
ATD	- Advanced Technology Development
BA	- Budget Activity
BES	- Budget Estimate Submission
BY	- Budget Year
C3	- Command, Control, and Communication System
CFE	- Contractor Furnished Equipment
CONOPS	- Concept of Operation
CONUS	- Continental United States
CPMS	- Comprehensive Power Management System
CPT	- Cockpit Procedures Trainer
CRA	- Continuing Resolution Authority
CTS	- Countermeasures Test Set
CY	- Current Year
ECCM	- Electronic Counter Counter-Measures
ECM	- Electronic Counter Measures
ECO	- Engineering Change Orders
EOQ	- Economic Order Quantity
ECP	- Engineering Change Proposal
EPA	- Economic Price Adjustment
EW	- Electronic Warfare
EWAISP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red

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

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R&M	- Reliability and Maintainability
RAA	- Rapid Acquisition Authority
RDT&E	- Research, Development, Test and Evaluation
RWR	- Radar Warning Receiver
ROM	- Rough Order of Magnitude
SS	- Sole Source
SOF	- Special Operation Force
TAF	- Tactical Air Force
TCAS	- Traffic Collision Alert and Avoidance System
TEWS	- Tactical Electronic Warfare System
TISS	- TEWS Intermediate Support System
TOA	- Total Obligation Authority
WCF	- Working Capital Fund
WRM	- War Reserve Material
WST	- Weapon System Trainer
UAV	- Unmanned Aerial Vehicle
XML	- Extensible Markup Language

BASE / ORGANIZATIONAL ACRONYMS

ACC	- Air Combat Command
AETC	- Air Education & Training Command
AFCAO	- Air Force Computer Acquisition Office
AFCEA	- Air Force Civil Engineering Support Agency
AFCIC	- AF Communications & Information Center
AFCSC	- Air Force Cryptologic Service Center
AFESC	- Air Force Engineering Services Center
AFGWC	- Air Force Global Weather Central
AFIT	- Air Force Institute of Technology
AFLCMC	- Air Force Life Cycle Management Center
AFMC	- Air Force Materiel Command
AFMETCAL	- Air Force Metrology and Calibration Office
AFMLO	- Air Force Medical Logistics Office
AFOSI	- Air Force Office of Special Investigation
AFOTEC	- Air Force Operational Test & Evaluation Center
AFPC	- Air Force Personnel Center

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

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CONTRACT METHOD / TYPE ACRONYMS

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

CONTRACTED BY ACRONYMS

11 WING	- 11th Support Wing, Washington, DC
ACC	- Air Combat Command, Langley AFB, VA
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AAC	- Air Armament Center, Eglin AFB, FL
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AETC	- Air Education and Training Command, Randolph AFB, TX
AFCIC	- Air Force Communications and Information Center, Washington, DC
AFCESA	- Air Force Civil Engineering Support Agency, Tyndall AFB, FL

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

IDENTIFICATION CODES

Code "A"	- Line items of material which have been approved for Air Force service use.
Code "B"	- Line items of material that have not been approved for Service use
OBAN	- Operating Budget Account Number, 2-digit code for unit allocated funds

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0604256F / <i>Threat Simulator Development</i>											
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	16.418	17.291	41.125	0.000	41.125	-	-	-	-	-	-
662907: <i>Electronic Combat Intel Support</i>	0.000	2.863	2.932	2.994	0.000	2.994	-	-	-	-	-	-
663321: <i>Electronic Warfare Ground Test Resources</i>	0.000	5.817	6.051	27.910	0.000	27.910	-	-	-	-	-	-
667500: <i>Foreign Materiel Acquisition/Analysis</i>	0.000	7.738	8.308	10.221	0.000	10.221	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Air Force requires a comprehensive set of indoor and outdoor test facilities to implement the Air Force Electronic Warfare (EW) Test Process in order to test EW systems, including Directed Energy (DE). To manage program risk effectively throughout the EW weapons system acquisition process, and to conduct T&E effectively and efficiently, a broad multi-spectrum integrated set of T&E capabilities, ranging from Modeling and Simulation (M&S), to full-scale chamber testing, to flight testing on open-air ranges (OAR), is required. The EW Test Process Support task provides investment management and coordinated technical oversight of EW T&E facilities, including studies, analyses, and related documentation. Additionally, successful EW capabilities in battle are predicated upon a thorough understanding of the threat. To meet that requirement, this PE also includes funding to acquire foreign materiel, and to thoroughly test and evaluate that foreign materiel to understand how those threat systems affect and are affected by our EW systems.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>
Previous President's Budget	16.626	19.927	43.055	0.000	43.055
Current President's Budget	16.418	17.291	41.125	0.000	41.125
Total Adjustments	-0.208	-2.636	-1.930	0.000	-1.930
• Congressional General Reductions	0.000	-2.636			
• 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	-0.208	0.000	-1.930	0.000	-1.930

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0604256F I Threat Simulator Development	
<p>Change Summary Explanation</p> <p>The FY 2026 net increase of \$23.834 million due to the following actions: an increase to support Hypersonics, realignment of funds in support of a SecAF directive, contractor reductions, inflation, and restoration of the normal baseline due to conclusion of cuts across multiple years, and a decrease due to funds realigned for the F-16 Emergency Power Unit Overhaul facility.</p> <p>The FY 2026 request was reduced by \$0.652 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."</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 662907 / Electronic Combat Intel Support			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
662907: Electronic Combat Intel Support	0.000	2.863	2.932	2.994	0.000	2.994	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides funding to support Foreign Materiel Operational Test and Evaluation (FMOT&E), which ensures the ability of operational commands to test and develop effective Electronic Attack/Electronic Protection (EA/EP) techniques and tactics. Funds are required for: deployment of systems to test facilities; travel of personnel to the test sites to evaluate and validate test results; range and laboratory costs; test consumables; costs for instrumentation of systems; and contracted engineering support for the conduct of tests and subsequent reporting. Funding for this program is required to prevent future aircraft losses due to improper and inaccurate aircrew tactics (e.g., lack of evasive action or proper tactics training to avoid missile attacks).

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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

	FY 2024	FY 2025	FY 2026
Title: FMOT&E	2.863	2.932	2.994
Description: Supports Foreign Materiel Operational Test and Evaluation (FMOT&E)			
FY 2025 Plans: Continue operations of electronic combat intelligence support for fighter and bomber testing, mobility special operations transport and helicopter testing, classified operational assessments and extensive evaluations and reporting of system effectiveness.			
FY 2026 Plans: Continuing operations of electronic combat intelligence support for fighter and bomber testing, mobility special operations transport and helicopter testing, classified operational assessments and extensive evaluations and reporting of system effectiveness.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$0.062 million is due to normal inflation			
Accomplishments/Planned Programs Subtotals	2.863	2.932	2.994

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 6				R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 662907 / Electronic Combat Intel Support			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.077	-	1,143.077	-	-	-	-	-	-
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	87.889	94.828	218.425	-	218.425	-	-	-	-	-	-
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	35.065	63.579	92.248	-	92.248	-	-	-	-	-	-
• RDTE 06 0604759F: Major T&E Investment	31.143	74.228	159.805	-	159.805	-	-	-	-	-	-
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
N/A											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 663321 / Electronic Warfare Ground Test Resources			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
663321: Electronic Warfare Ground Test Resources	0.000	5.817	6.051	27.910	0.000	27.910	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AF requires a comprehensive set of test facility modernizations to improve Electronic Warfare (EW) which includes Directed Energy (DE) weapons Test and Evaluation (T&E) capabilities. This funding is used to improve and modernize threat system simulators, stimulators, emitters and supporting infrastructure to sufficiently and cost effectively test and evaluate current and future weapon systems' ability to perform in realistic EW threat representative environments. The National Radar Cross Section (RCS) Test Facility (NRTF) at Holloman AFB, NM, provides timely, accurate, and secure RCS and antenna measurements for tri-service and joint program offices, DoD laboratories, Defense Advanced Research Projects Agency (DARPA) and industry. The NRTF tests fielded and developmental systems and technologies to meet Low Observable (LO) and EW customer requirements. The Guided Weapons Evaluation Facility (GWEF) at Eglin AFB, FL, and the Digital Integrated Air Defense System (DIADS) at Edwards AFB, CA, provide the ability to realistically evaluate hardware and software components of US weapon systems against manned hardware threat representations throughout the acquisition process. The GWEF provides simulations of advanced Infrared (IR) Surface-to-Air Missiles (SAMs) and Air-to-Air Missiles (AAMs), IR and Laser countermeasure functions, and the integration of actual threat hardware and ground clutter into advanced threat IR missile simulations. DIADS provides mission level simulations of both algorithm-based and man-in-the-loop-based enemy command and control (C2) capabilities that integrate early warning radar detection, SAM engagement capabilities, and limited ground-controlled fighter intercepts. The Benefield Anechoic Facility (BAF) at Edwards AFB, CA, and the Joint Preflight Integration of Munitions and Electronic Systems (J-PRIMES) facility at Eglin AFB, FL, both provide threat-representative EW emitters and stimulators to replicate a variety of land, sea and airborne threats in a controlled RF environment to evaluate full-scale weapon systems. The BAF additionally provides an ability to perform Electromagnetic Interference/Compatibility (EMI/EMC) testing to ensure radars, jammers, radios, and other flight-critical electronic systems will not interfere with each other during a mission. The Central Inertial and GPS Test Facility (CIGTF) at the 704th Test Group at Holloman AFB, NM provides threat-representative GPS jammers and laydowns in both lab and open-air environments to test avionics systems' performance when under various GPS-denial conditions. Provides EW test process support, conducting requirements analyses and other studies in support of AF T&E investments in test infrastructure and capabilities.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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

	FY 2024	FY 2025	FY 2026
Title: Electronic Warfare Ground Test Resources	5.817	6.051	27.910
Description: Provides for planning, monitoring, improvement, and modernization of test capabilities to conduct and support the AF EW test process. Conducts requirements analyses and other studies in support of Air Force T&E investments in test infrastructure and capabilities. Plans for FY 2025 and FY 2026 include, but are not limited to, the following EW efforts which are all delayed due to the availability of prior year execution balances (under execution).			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0604256F / <i>Threat Simulator Development</i>	Project (Number/Name) 663321 / <i>Electronic Warfare Ground Test Resources</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Close out Red Integrated Air Defense System (Red-IADS). The Jammer/ECM Enhancement & Integration (JECM) project will have to split the C-band antenna purchase between FY 2024 and FY2025 funds, delaying the capability into FY 2026. Close the Dynamic Radar Cross Section Measurement System (DRMS) capability at the National Radar Cross Section Test Facility (NRTF). - Continue planning the Advanced Naval Information Warfare Systems (NAVWAR) Open-Air test and evaluation project at AEDC. Continue executing development, procurement, and integration of Electronic Warfare programs; Infra-Red Countermeasure-capability Modernization (IRCM-CM). - Start planning Electronic Combat Range - Dynamic Moving Target Simulator (ECR-DMTS) and the ECR Early Warning Radar (EWR), both threat simulators. - Continued funding of Systems Engineering and Technical Advisory (SETA) support to implement planned Air Force test processes and infrastructure for Improvement and Modernization (I&M) capabilities, support tri-service monitoring and analysis teams established to identify emerging joint investment needs and requirements development and assist in the management and monitoring of I&M program elements and activities. <p>FY 2026 Plans:</p> <ul style="list-style-type: none"> - Start executing the Advanced NAVWAR Open-Air (ANOA) T&E project at AEDC. This project contains mobile Global Positioning System (GPS) jamming capabilities that can be transported to ranges where Hypersonic (HS) testing takes place. - Continue executing Infra-Red Countermeasure-capability Modernization (IRCM-CM), Installed System Test Facility (ISTF) Threat System. EW programs support HS weapon maturity. NRTF can be used in support HS weapon testing, because it measures radar signature of system under test in flight. IRCM-CM is a seeker sensor testing system that will support maturing HS weapons. ISTF Threat System is a test set-up in JPRIMES that can possibly test HS weapons. - Start planning of Electronic Combat Range - Dynamic Moving Target Simulator (ECR-DMTS), the ECR Early Warning Radar (EWR), and the Advanced Position Navigation and Timing (PNT) T&E Simulation Environment, all simulators. These capabilities will support HS testing at Eglin and Arnold. - Start planning two Antenna Pattern Measurement capabilities to support testing at Edwards and Arnold - Continued funding of SETA support to implement planned Air Force test processes and infrastructure for I&M capabilities, support tri-service monitoring and analysis teams established to identify emerging joint investment needs and requirements development and assist in the management and monitoring of I&M program elements and activities. <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>Net increase of \$21.859 million from FY25 to FY26 is due to the following actions: Adjustments to FY26: an increase of \$8.597 million in support of Hypersonics; a decrease of \$3.153 million for AF focus on F-16 Emergency Power Unit (EPU) Overhaul Facility; a decrease of \$0.652 million in Air Force reductions; an increase of 0.300 million from INV-001 payback; and a net</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6				R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 663321 / Electronic Warfare Ground Test Resources				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
increase of \$1.926 million for inflation adjustments. Adjustments to FY25 include decreases of 15.0 million and 2.636 million for a T&E reduction and a BA136 Mark respectively and an increase of 2.795 million for Hypersonics.												
Accomplishments/Planned Programs Subtotals										5.817	6.051	27.910
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.077	-	1,143.077	-	-	-	-	-	-	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	87.889	94.828	218.425	-	218.425	-	-	-	-	-	-	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	35.065	63.579	92.248	-	92.248	-	-	-	-	-	-	
• RDTE 06 0604759F: Major T&E Investment	31.143	74.228	159.805	0.000	159.805	-	-	-	-	-	-	
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
N/A												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Developme nt				Project (Number/Name) 667500 / Foreign Materiel Acquisition/ Analysis			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
667500: Foreign Materiel Acquisition/Analysis	0.000	7.738	8.308	10.221	0.000	10.221	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project's specific purpose is to support DAF Foreign Materiel Program requirements through the acquisition and analysis of foreign materiel. Due to the unique capabilities of the DAF FMP, both USAF and USSF work cooperatively to support DAF FMP requirements. Items considered for these Foreign Materiel Acquisition (FMA) funds are included in the prioritized Service's FMA Top 50 list established each year. Annually, the MAJCOM and Field Commands create integrated prioritized lists of their top 50 requirements. The requirements lists are integrated and prioritized into a classified Service requirement list. System analyses are based on and driven by acquisitions. The DAF FMP provides assessments and data for threat systems to all DoD components.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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

	FY 2024	FY 2025	FY 2026
Title: FMP	7.738	8.308	10.221
Description: Supports DAF Foreign Materiel Program (FMP) Requirements through the acquisition and analysis of foreign materiel.			
FY 2025 Plans: - Continue to fund acquisition of available Foreign Materiel in accordance with the DAF Foreign Materiel Priority Lists - Analysis of acquired Foreign Materiel - Operations and maintenance of the specialized Foreign Materiel assets.			
FY 2026 Plans: - Continue to fund acquisition of available Foreign Materiel in accordance with the DAF Foreign Materiel Priority Lists - Analysis of acquired Foreign Materiel - Operations and maintenance of the specialized Foreign Materiel assets.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$1.913 million from FY25 to FY26 is due to an increase of \$1.739 million due to SECAF-directed realignment and \$0.174 million for normal inflation.			
Accomplishments/Planned Programs Subtotals	7.738	8.308	10.221

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 6				R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 667500 / Foreign Materiel Acquisition/Analysis			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.077	-	1,143.077	-	-	-	-	-	-
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	87.889	94.828	218.425	-	218.425	-	-	-	-	-	-
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	35.065	63.579	92.248	-	92.248	-	-	-	-	-	-
• RDTE 06 0604759F: Major T&E Investment	31.143	74.228	159.805	-	159.805	-	-	-	-	-	-
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
N/A											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					PE 0604759F I Major T&E Investment							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	30.758	74.228	156.915	0.000	156.915	-	-	-	-	-	-
664597: AF Test Investments	0.000	30.758	74.228	156.915	0.000	156.915	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This PE provides planning, improvements, and modernization for test capabilities within Air Force Test Center (AFTC) Major Range and Test Facility Base (MRTFB) organizations: 96 Test Wing (TW) at Eglin AFB FL, the 412TW at Edwards AFB CA, and Arnold Engineering Development Complex (AEDC) at Arnold AFB TN. The 704th Test Group (TG) at Holloman AFB NM is aligned under AEDC as part of the management consolidation of Ground test capabilities.

The Improvement and Modernization (I&M) requirements are defined through the AF Test Investment Planning & Programming (TIPP) Process. All projects have been reviewed through the Tri-Service Reliance Process (to communicate AF efforts to the other services and avoid unwarranted duplication of effort) and are documented in the Technology Development Acquisition Program (TDAP) database. Each project has its own planning, development, equipment acquisition, equipment installation, and checkout phases which often require significant differences in funding from one year to the next. As such, the changes in category funding from year-to-year does not necessarily indicate program growth, but rather a planned phasing of I&M efforts. The test capabilities at these locations enable testing through all phases of weapon system acquisition, from system concept exploration through component and full-scale integrated weapon system test to operational test.

The 96TW conducts and supports Developmental Test and Evaluation (DT&E) of non-nuclear air armaments; Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, Reconnaissance (C5ISR) systems; target acquisition and weapon delivery systems; determines target/test item spectral signatures; and provides cyber testing capabilities as part of the Avionics Cyber Range (ACR).

The 412TW conducts and supports DT&E and Operational Test and Evaluation (OT&E) of aircraft and aircraft systems, aerospace research vehicles, unmanned aerial vehicles, cruise missiles, parachute delivery/recovery/systems, and cargo handling systems.

AEDC provides pre-flight reliability environmental test support for DoD aero propulsion, flight systems, and space and missile programs. AEDC has 72 test facilities providing: aerodynamic testing of scale model aircraft, missiles, and space systems; testing of large and full-scale satellites, sensors, and space vehicles in a simulated space environment; altitude environmental testing for aircraft, missile, and spacecraft propulsion systems; testing of large-scale models such as space boosters together with their propulsion systems. The 704TG provides flight test and test support for joint, international and commercial customers in advanced avionics and weapons, inertial navigation systems, Global Positioning System (GPS) and other integrated aircraft and missile navigation systems. They test subsonic through hypersonic ground performance of aircraft and missiles in a flight-representative, highly instrumented environment while also coordinating and scheduling all USAF test operations at White Sands Missile Range. The 704TG OL-AC at Wright-Patterson AFB, OH provides independent DT&E in support of aircraft survivability and evaluation of full-scale aircraft landing gear, tires and brakes. They also provide an independent capability for component qualification.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0604759F I Major T&E Investment	
<p>In order to align the strategic capability goals set forth in the National Defense Strategy and the mission of the AFTC, funding has been assigned to these five mission area categories: T&E Range Asset Modernization, Hypersonics, Directed Energy, Cyberspace and Avionics Cyber, and Autonomy.</p> <p>1) T&E Range and Test Asset Modernization refers to those capabilities required to acquire the ability to test long range, high-speed, highly instrumented, high-data rate weapons in a crowded and restricted spectrum, while operating at multiple classification and cybersecurity levels. Also included in this mission area is the ability to collect, analyze and store big data and the ability to do multi-domain testing across the enterprise with realistic threat scenarios at multiple classification level up to Special Access Program (SAP).</p> <p>2) Hypersonics refers to the ability to test and evaluate flight-representative hypersonic engines, materials, warheads and fuses in all portions of the employment envelope and conduct flight testing both in simulation and open-air ranges with sufficient space, telemetry, photo-optics and Time Space Position Information (TSPI) to appropriately inform decision-makers fielding such systems.</p> <p>3) Directed Energy/Electronic Combat acquires the ability to characterize irradiance and beam properties on aircraft, small UAVs and ground targets and create realistic environments to simulate adversary air defense capabilities in the year 2030. Enables 5th-6th generation weapon testing/tactics development in a threat-realistic Anti-Access Area Denial (A2AD) environment using a combination of indoor and open-air ranges.</p> <p>4) Cyberspace and Avionics Cyber is the advancement of cybersecurity/resiliency test capability for network, C5ISR, and airborne weapon platforms and includes development of tools, techniques and hardware-in-the-loop capabilities focused on cybersecurity and cyber-resiliency.</p> <p>5) Autonomy refers to the ability to test autonomous aerial and ground systems with hundreds of independent vehicles. Must be able to monitor system-under-test locations and states with the ability for soft and hard termination. Must develop techniques and processes to test systems with artificial intelligence.</p> <p>This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0604759F I Major T&E Investment				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	31.143	74.228	208.911	0.000	208.911	
Current President's Budget	30.758	74.228	156.915	0.000	156.915	
Total Adjustments	-0.385	0.000	-51.996	0.000	-51.996	
• 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	-0.385	0.000	-51.996	0.000	-51.996	
Change Summary Explanation						
The FY 2026 total increase of \$82.687 million is due to an increase of \$96.476 million to fund Hypersonics, a decrease of \$13.080 million to T&E range modernization and Autonomy in order to fund part of zero basing reprogram for Developmental Test Aircraft Capacity, inflation, and other adjustments to programs, and \$0.709 million decrease in Cyberspace and Avionics Cyber due to reduced costs of requirements and other adjustments.						
The FY 2026 request was reduced by \$0.672 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."						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: T&E Range and Test Asset Modernization				15.936	31.945	19.709
Description: T&E Range and Test Asset Modernization refers to those capabilities required to acquire the ability to test long range, high-speed, highly-instrumented, high-data rate weapons in a crowded and restricted spectrum, while operating at multiple classification and cybersecurity levels. Ability to collect, analyze and store big data and ability to do multi-domain testing across the enterprise with realistic threat scenarios at multiple classification level up to Special Access Program (SAP).						
FY 2025 Plans:						
- Close out Modular Mission Control Room Upgrade (MMCRU) and Next Generation Thrust Management (NGTM)						
- Continue planning/execution for Gulf Range Enhancement (GRE), the Low Observability (RCS) Engine Test Stand, and the AFTC Next Generation Data Ecosystem programs to update AF test data infrastructure						
- Build on the 96TW Imaging Improvement Modernization Project (IIMP)						
- Continue execution of Improve Plant Reliability and Efficiency/Transonic Aero Test Capability (IMTPC), Improve Large Model Supersonic Aerodynamic Ground T&E Capability (ILMSC) [formerly Tunnel 16S Reactivation]						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0604759F / <i>Major T&E Investment</i>		
C. Accomplishments/Planned Programs (\$ in Millions) - AFTC, in conjunction with Test Resource Management Center (TRMC), complete a study that would provide requirements for a full-scale or large-scale hypersonic air-breathing engine test facility - Start execution of a data-links capability for 6th gen platforms (Warfighter Data Links Test Capability (WDLTC) project across the 412TW and 96TW), Next Generation Engineering Targets (OPTICAMS), and One Mission-Networked Intelligence (OMNI) Early Operational Capability FY 2026 Plans: - Continue executing and Next Generation Engineering Targets (OPTICAMS), Gulf Range Enhancement (GRE), Low Observability (RCS) Engine Test Stand, the AFTC Next Gen Data Ecosystem family of projects - Start Executing the 96TW Imaging Improvement Modernization Project (IIMP) and AI Development Platform - Proceed with digital engineering projects across the AFTC to bring AF testing into the current state of test infrastructure FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$12.236 million to fund part of zero basing reprogram for Developmental Test Aircraft Capacity Tier 1 planning choice, \$1.510 million T&E Execution Ramp reduction, and adjustments to programs.		FY 2024	FY 2025	FY 2026
Title: Hypersonics Description: Hypersonics refers to the ability to T&E flight-representative hypersonic engines, materials, warheads and fuses in all portions of the employment envelope and conduct flight testing both in simulation and open-air ranges with sufficient space, telemetry, photo-optics and Time Space Position Information (TSPI) to appropriately inform decision-makers fielding such systems. FY 2025 Plans: - Start Executing the Guided Weapons Evaluation Facility (GWEF) Hypersonic (HS) Hardware-in-the0Loop (GWEF HS HITL) project and the Hypersonic Air Defense Effectiveness and Survivability (HADES) project - Continue planning the following Ground Test projects: Turbine Base Combined Cycle (TBCC), Mach 5 Continuous Flow Test Capability (M5CFTC), True Temperature Mach 7 (TTM7), Integrated Scramjet Direct Connect Diagnostics (ISJCD), Improved Small Scale Hypervelocity Impact (ISSHI), M6/M8 Nozzle for Tunnel B, High Pressure Air Additional Capacity Phase 2 (HPAAC2), High Enthalpy Standard Hypersonic Test Article (HESHTA), and Subscale Modeling 1T/1S Wind Tunnels FY 2026 Plans: - Continue execution of the GWEF Hypersonic Hardware in the Loop (GWEF HS HITL) project and the Hypersonic Air Defense Effectiveness and Survivability (HADES) project - Execute the following Ground Test projects: Turbine Base Combined Cycle (TBCC), Mach 5 Continuous Flow Test Capability (M5CFTC), True Temperature Mach 7 (TTM7), Integrated Scramjet Direct Connect Diagnostics (ISJCD), Improved Small Scale Hypervelocity Impact (ISSHI), M6/M8 Nozzle for Tunnel B, High Pressure Air Additional Capacity Phase 2 (HPAAC2), High		2.567	18.090	114.566

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0604759F <i>I Major T&E Investment</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Enthalpy Standard Hypersonic Test Article (HESHTA), Improve Plant Reliability and Efficiency/Transonic Aero Test Capability (IMTPC), Improve Large Model Supersonic Aerodynamic Ground T&E Capability (ILMSC) [formerly Tunnel 16S Reactivation], and One Mission-Networked Intelligence (OMNI) Early Operational Capability, and range improvements to enable hypersonic test - Continue planning for the subscale modeling 1T/1S wind tunnels - AFTC, in conjunction with Test Resource Management Center (TRMC), continue a study that would provide requirements for a full-scale or large-scale hypersonic air-breathing engine test facility FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$96.476 million to fund Hypersonics				
Title: Directed Energy/Electronic Combat Description: Directed Energy/Electronic Combat acquires the ability to characterize irradiance and beam properties on aircraft, small Unmanned Aerial Vehicles (UAV) and ground targets and create realistic environments to simulate adversary air defense capabilities in the year 2030. Enables 5th-6th generation weapon testing/tactics development in a threat-realistic Anti-Access Area Denial (A2AD) environment using a combination of indoor and open-air ranges. FY 2025 Plans: - Continue execution of the GWEF Advanced Multispectral Development - Phase I (AMD-I) in conjunction with the TRMC funded AMD Phase II - Execute plan for Next Generation Engineering Targets (OPTICAMS) FY 2026 Plans: - Continue Execution of the Advanced Multispectral Development - Phase I (AMD-I) and Next Generation Engineering Targets (OPTICAMS) FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$0.607 million is due to normal inflation and adjustments to programs		5.400	8.293	8.900
Title: Cyberspace and Avionics Cyber Description: Cyberspace and Avionics Cyber is the advancement of cybersecurity/resiliency test capability for network, C4ISR and airborne weapon platforms and includes development of tools, techniques and hardware in the loop capabilities focused on cybersecurity and cyber-resiliency. FY 2025 Plans: - Close out Weapon System Cyber Security Tools/Facility (WSCS) project		6.830	13.150	12.441

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force							Date: June 2025				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support				R-1 Program Element (Number/Name) PE 0604759F I Major T&E Investment							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
- Start planning and potentially executing the Warfighter Data Links Test Capability (WDLTC) across the Enterprise (96TW & 412TW) to support 6th generation aircraft and UAVs. WDLTC was previously called 6th Gen Data Links - Start planning the Advanced Battle Management System Test Capability FY 2026 Plans: - Continue executing the Warfighter Data Links Test Capability (WDLTC) across the Enterprise (96TW & 412TW) to support next generation aircraft and UAVs and start executing the Advanced Battle Management System Test Capability FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$0.709 million due to reduced costs of requirements and corresponding adjustments to programs											
Title: Autonomy Description: Autonomy refers to the ability to test autonomous aerial and ground systems with hundreds of independent vehicles. Must be able to monitor system-under-test locations and states with the ability for soft and hard termination. Must develop techniques and processes to test systems with artificial intelligence. FY 2025 Plans: - Close execution Non-Cooperative Tracking/Multi-Object Tracking Phase I (NCT-1) project at the 412TW FY 2026 Plans: - Funding for planning of future projects identified with a mature solution that supports Center roadmaps FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$1.451 million in order to fund part of zero basing reprogram for Developmental Test Aircraft Capacity Tier 1 planning choice and other adjustments to programs							0.025	2.750	1.299		
Accomplishments/Planned Programs Subtotals							30.758	74.228	156.915		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.007	-	1,143.007	-	-	-	-	-	-
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	87.889	94.828	218.425	-	218.425	-	-	-	-	-	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0604759F I Major T&E Investment						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	35.065	63.579	92.248	-	92.248	-	-	-	-	-	-
• RDTE 06 0604256F: Threat Simulator Development	16.626	19.927	40.190	-	40.190	-	-	-	-	-	-
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
N/A											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	30.998	39.720	32.405	0.000	32.405	-	-	-	-	-	-
661110: <i>Project Air Force</i>	0.000	30.998	39.720	32.405	0.000	32.405	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

MISSION DESCRIPTION

PAF helps DAF and Congressional leaders make informed, research-based decisions to meet critical challenges and solve policy issues of vital concern to ensure the success of our warfighters; plan for and defeat the accelerated threats from China and Russia; integrate air, space, and cyber capabilities across warfighting domains to enable U.S. advantage and to stay ahead of the innovation curve.

PAF provides the DAF and the nation a return on investment that far exceeds its costs. PAF provides actionable recommendations on highest priority issues for DAF and saves billions of dollars while maximizing lethality and readiness.

PAF research examines critical issues for DAF leadership: designing a survivable posture in the Pacific; operating in a contested electromagnetic environment; enlisted technical tracks; collaborating with allies and partners; and many more. PAF's research findings inform DAF and Congressional decision makers on high-priority programs like the F-35, the future intercontinental ballistic missile force, and the future long-range strike family of systems. PAF's cutting-edge research will help the DAF rapidly adapt to the changing world environment and emerging threats; continue to modernize and employ its force structure to provide capabilities within changing DoD budgets; assess lessons learned from recent and ongoing conflicts; develop and utilize its total force; and enhance the support of our air and space forces, ranging from sustainment of the force structure to agile combat support.

RAND Project Air Force (PAF) is a Congressionally Mandated Federally Funded Research and Development Center (FFRDC). PAF is the Department of the Air Force's (DAF's) only FFRDC dedicated to studies and analysis. PAF's Steering Group is chaired by the USecAF, VCSAF and VCSO with Congressional, OSD, and DAF Top 7 oversight.

BUDGET ITEM JUSTIFICATION

In FY25, RAND PAF funding levels were restored to historical, required levels to maintain critical, analytic capability. If proposed the 8.3M funding cut for FY26 occurs, DAF and Congression will once again lose critical analytic capabilities. Without correction, FY26 funding levels will fall to a lower level than what is required to meet DAF's needs. Core research will not be provided in areas of strengthening alliances and regional partnerships, operational and tactical innovation, and logistics and defense in forward environments, emerging technologies, force readiness, and other issues.

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,

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0605101F I RAND Project Air Force				
0606398F. In FY22 0M was expended for civilian pay expenses in this program element, and in FY23 0M is forecasted for civilian pay expenses in this program element.						
This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		38.398	39.720	40.715	0.000	40.715
Current President's Budget		30.998	39.720	32.405	0.000	32.405
Total Adjustments		-7.400	0.000	-8.310	0.000	-8.310
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-6.222	-0.070			
• 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		-1.178	0.000			
• Other Adjustments		0.000	0.070	-8.310	0.000	-8.310
Change Summary Explanation						
FY26: For justification of funding level increase over FY25 budget line see Section A. BUDGET ITEM JUSTIFICATION						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: China-Russia Center				1.518	2.879	2.767
Description: In FY23, the SecAF requested a China-Russia Center be established within the four RAND program areas to ensure focused research is conducted yearly on the adversary perspective. At least 2.5M (inflation adjusted) is to be set aside for this research yearly. requested minimum of 2.5M (inflation adjusted) set aside for "Red-lens" research on China/Russia.						
FY 2025 Plans:						
Will sustain China-Russia Center and conduct the following research projects:						
1. "China Influence Campaign factors & effectors across multiple operational levels & spectrum of conflict"						
a. Aligns to National Defense Strategy (NDS)						
i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China						
ii. NDS Key Theme 1. Integrated Deterrence (NDS p. 8).						
iii. NDS Key Operational Area (KOA) 1. Information Advantage						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
2. "Assessing Russian and Chinese Chemical, Biological, Radiological, and Nuclear (CBRN) Thinking, Doctrine, and Capabilities" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. OI 7. Readiness to Mobilize, Deploy and Fight 3. "Increasing DAF China Knowledge and Understanding Needed Skillset for Great Power Competition" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 5. Building Enduring Advantages: (NDS pp. 19-20) iii. OI 7. Readiness to Mobilize, Deploy and Fight FY 2026 Plans: Continue analytical research with China/Russia focus at SecAF requested level of funding. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increases are necessary to return to baseline required to sustain core competencies and balance inflation.				
Title: Strategy & Doctrine Description: Provides for continuing research and analysis for the DAF focusing on issues of great power competition, global security, security cooperation, defense of the homeland, and others FY 2025 Plans: Will sustain Strategy and Doctrine expertise and conduct the following research projects: 1. "Blind Spot Indicators for Space: An approach to securing an Incontrovertible US Advantage" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 2. Deterring strategic attacks against the United States, Allies, and partners. ii. NDS Key Theme 2. Campaigning (NDS p. 12) iii. OI 1. Resilient Space Order of Battle 2. "Advancing Ally and Partner Domain Awareness and Integration to Enable the GPC" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 3. Anchoring in Allies and Partners & Advancing Regional Goals (NDS p. 14) iii. NDS KOA 1. Information Advantage iv. OI 2. Advanced Battle Management System (ABMS)/Joint All-Domain Command & Control (JADC2)		6.368	7.990	6.730

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
3. "Plan Blue 25 and AF Title 10 Wargaming Integration" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 1. Integrated Deterrence (NDS p. 8). iii. NDS KOA 4. Mitigate Adversary Anti-access/Area-denial Capabilities iv. OI 5. Resilient Forward Basing 4. "Leveraging Ally and Partner Support" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 2. Deterring strategic attacks against the United States, Allies, and partners. ii. NDS Key Theme 3. Anchoring in Allies and Partners & Advancing Regional Goals (NDS p. 14) iii. NDS KOA 5. Logistics and Sustainment iv. OI 5. Resilient Forward Basing FY 2026 Plans: Continue analytical research within this program's core competencies focusing on evolving security challenges; power projection; expeditionary operations; and the changing roles of air, space, and cyber power in current and future operations FY 2025 to FY 2026 Increase/Decrease Statement: In FY25, if the Congressional Mark is not reversed (currently appealing - 8/12/24), the following projects will be cut: 1. "Strengthening Regional Partners to Assume Greater Responsibility for Regional Deterrence and Stability" a. Aligns to NDS i. Defense Priority 2. Deterring strategic attacks against the United States, Allies, and partners. ii. Key Theme 3. Anchoring in Allies and Partners & Advancing Regional Goals (NDS p. 14) 2. "Integrating Innovation among Allies and Partners into USAF Missions" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 2. Deterring strategic attacks against the United States, Allies, and partners. ii. NDS Key Theme 3. Anchoring in Allies and Partners & Advancing Regional Goals (NDS p. 14) iii. OI 2. Advanced#Battle Management System (ABMS)/Joint All-Domain Command & Control (JADC2) Funding increases are necessary to return to baseline required to sustain core competencies and balance inflation.				
Title: Force Modernization and Employment Description: Provides for continuing research and analysis for the DAF focusing on issues of air and space operations, emerging technologies, force modernization, and others.		5.605	8.900	6.950

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Will sustain Force Modernization and Employment expertise and conduct the following research projects: 1. "Operational Shared Awareness Tool to Empower Tactical C2" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 1. Integrated Deterrence (NDS p. 8). iii. NDS KOA 2. C3 (Command, Control, and Communications) iv. OI 1. Resilient Space Order of Battle 2. "An emergency action plan for countering China: how to quickly test and operationalize asymmetric capabilities" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 2. Campaigning (NDS p. 12) iii. NDS KOA 5. Logistics and Sustainment iv. OI 7. Readiness to Mobilize, Deploy and Fight 3. "Defining requirements for Space Warfighting C3 Battle Management construct" a. Aligns to NDS and OIs as follows: i. NDS Key Theme 4. Force Planning (NDS p. 17) ii. NDS KOA 2. C3 (Command, Control, and Communications) iii. OI 1. Resilient Space Order of Battle 4. "Dynamic Space Operations: Define, Design, Plan and Price" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. OI 1. Resilient Space Order of Battle 5. "Ensuring that USAF Counter-Maritime Capabilities Meet National Need" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 1. Integrated Deterrence (NDS p. 8). iii. NDS KOA 4. Mitigate Adversary Anti-access/Area-denial Capabilities iv. OI 3. Air, Ground and Sea Surface Moving v. Cross-Cutting Operational Enabler (COE) 3. Munitions FY 2026 Plans:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions) Continue analytical research within this program's core competencies focusing on operational analysis of technology feasibility, performance, cost, and risk in areas of intelligence, surveillance, reconnaissance, mobility, long-range strike, combat air forces, command and control, space, cyber, and nuclear. FY 2025 to FY 2026 Increase/Decrease Statement: In FY25, if the Congressional Mark is not reversed (currently appealing - 8/12/24), the following project will be cut: 1. "Electromagnetic Signature Management for Agile Operations" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS KOA 5. Logistics and Sustainment iii. OI 5. Resilient Forward Basing iv. COE 1. Electromagnetic Spectrum of Operations (EMSO) Funding increases are necessary to return to baseline required to sustain core competencies and balance inflation.		FY 2024	FY 2025	FY 2026
Title: Workforce Development and Health Description: Provides for continuing research and analysis for the DAF focusing on issues of personnel recruitment, training, readiness, retention and well-being, force readiness, and other issues. FY 2025 Plans: Will sustain Workforce Development and Health expertise and conduct the following research projects: 1. "Revolutionizing Defense Workforce Management: A Strategic Blueprint for Talent Acquisition, Retention, and Development in the Era of Great Power Competition" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. OI 7. Readiness to Mobilize, Deploy and Fight 2. "Readiness, Retention, and Cost: Modeling Assignment Duration for DAF-Wide Benefits" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 4. Force Planning (NDS p. 17) 3. "ABMS and Cognitive Overload: The Future of Human-Machine Teaming" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 5. Building Enduring Advantages: (NDS pp. 19-20)		7.882	8.900	6.949

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F I <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
iii. NDS KOA 2. C3 (Command, Control, and Communications) iv. OI 2. ABMS/JADC2 v. COE 1. Electromagnetic Spectrum of Operations (EMSO) 4. "Combat Sortie Generation Proficiency" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 5. Logistics and Sustainment iv. OI 7. Readiness to Mobilize, Deploy and Fight v. COE 2. Mobility 5. "Basic Military Training: Increasing Adaptiveness and Responsiveness to Meet Evolving Operational Challenges in a Joint Environment" a. Aligns to NDS as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 5. Building Enduring Advantages: (NDS pp. 19-20) iii. NDS KOA 5. Logistics and Sustainment FY 2026 Plans: Continued analytical research within program core competencies focusing on workforce size and composition, how to define, develop, sustain, renew, deliver, and coordinate critical workforces. FY 2025 to FY 2026 Increase/Decrease Statement: In FY25, if the Congressional Mark is not reversed (currently appealing - 8/12/24), the following project will be cut: 6. "The future of TACS/AAGS and the required liaisons needed for Large Scale Combat Operations" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. OI 7. Readiness to Mobilize, Deploy and Fight Funding increases are necessary to return to baseline required to sustain core competencies and balance inflation.				
Title: Resource Management Description: Provides for continuing research and analysis for the DAF focusing on issues of systems acquisition, services acquisition, industrial base, logistics for deployment and sustainment of combat forces, and others		7.687	8.900	6.949

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F / <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Will sustain Resource Management expertise and conduct the following research projects: 1. "Shifting Sustainment from Efficiency to Effectiveness" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 4. Building a resilient Joint Force and defense ecosystem. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 5. Logistics and Sustainment iv. OI 7. Readiness to Mobilize, Deploy and Fight 2. "Depot Surge" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 5. Logistics and Sustainment iv. OI 7. Readiness to Mobilize, Deploy and Fight 3. "Barriers to data sharing with coalition and allied partners" a. Aligns to NDS and OIs as follows: i. NDS Key Theme 3. Anchoring in Allies and Partners & Advancing Regional Goals (NDS p. 14) 4. "Expediting Sortie Generation in Combat" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 5. Logistics and Sustainment iv. OI 5. Resilient Forward Basing 5. "Nuclear Modernization: Gaps and Seams in the Nuclear Enterprise and Industrial Base" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 2. Deterring strategic attacks against the United States, Allies, and partners. ii. NDS Key Theme 5. Building Enduring Advantages: (NDS pp. 19-20) 6. "Cost-Benefit Analysis of Modernizing Legacy Space Systems" a. Aligns to NDS and OIs as follows: i. NDS Key Theme 5. Building Enduring Advantages: (NDS pp. 19-20) ii. OI 1. Resilient Space Order of Battle FY 2026 Plans:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605101F I <i>RAND Project Air Force</i>		
C. Accomplishments/Planned Programs (\$ in Millions) Continued analytical research within this program's core competencies focusing on logistics and readiness; outsourcing, privatization, and contracting; the defense industrial base; planning, programming, and budgeting; infrastructure and its resilience; energy; and weapon-system cost estimating. FY 2025 to FY 2026 Increase/Decrease Statement: In FY25, if the Congressional Mark is not reversed (currently appealing - 8/12/24), the following projects will be cut: 1. "Defining and Institutionalizing Push Logistics to Win in the First and Second Island Chains to Sustain the Joint Force at the Forward Edge and Across the Battlespace" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 1. Defending the homeland, paced to the growing multi- domain threat posed by China. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 5. Logistics and Sustainment iv. OI 5. Resilient Forward Basing 2. "Base Air Defense for Agile Combat Employment Support" a. Aligns to NDS and OIs as follows: i. NDS Defense Priority 3. Deterring aggression, while being prepared to prevail in conflict when necessary - prioritizing China. ii. NDS Key Theme 4. Force Planning (NDS p. 17) iii. NDS KOA 3. Detection and Targeting iv. OI 5. Resilient Forward Basing		FY 2024	FY 2025	FY 2026
Title: Integrative Research/Direct Support Description: Provides for continuing analytical research across a broad spectrum of aerospace issues and concerns--integrative research and direct support. FY 2025 Plans: Will conduct analytical research across a broad spectrum of aerospace issues and concerns--integrative research/direct support. FY 2026 Plans: Continue conducting analytical research across a broad spectrum of aerospace issues and concerns--integrative research/direct support. FY 2025 to FY 2026 Increase/Decrease Statement:		1.938	2.151	2.060

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0605101F I RAND Project Air Force		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Funding increases are necessary to return to baseline required to sustain core competencies and balance inflation.				
Accomplishments/Planned Programs Subtotals		30.998	39.720	32.405
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					PE 0605712F I Initial Operational Test & Evaluation							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	13.720	14.247	13.872	0.000	13.872	-	-	-	-	-	-
660191: Initial Operational Test and Eval	0.000	13.720	14.247	13.872	0.000	13.872	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The program element funds the Air Force Operational Test and Evaluation Center (AFOTEC) to conduct Congressionally mandated Initial Operational Test and Evaluation (IOT&E) to support major weapon system acquisition decisions beyond Low-Rate Initial Production (LRIP), Milestone C, full rate production, fielding, and declaration of Initial Operational Capability (IOC). For Major Defense Acquisition Programs (MDAP), the law requires IOT&E be completed under realistic operating conditions before proceeding beyond LRIP. IOT&E is planned to answer all critical operational issues (COI) as thoroughly as possible. IOT&E is conducted to determine the operational effectiveness and suitability, and resolve overall mission capability, of systems undergoing research and development (R&D) efforts. It is an evaluation of a system's performance when the complete system is tested and evaluated against operational criteria by personnel with the same qualifications as those who will operate, maintain, and support the system when deployed. In general, IOT&E is performed on new systems in development, major modifications, and other systems as directed. This PE also funds participation in Multiservice Operational Test and Evaluation (MOT&E), and Follow-on Operational Test and Evaluation (FOT&E) when it is the continuation of IOT&E activities passed the full rate production decision. FOT&E answers specific questions about unresolved COIs and test issues or completes areas not finished during the IOT&E. The PE funds related Operational Test & Evaluation (OT&E) activities such as conducting Continuous Operational Testing (COT), Early Influence, agile release tests, Integrated Test and Evaluation (IT&E), Operational Utility Evaluations (OUE), Early Operational Assessments (EOA), Operational Assessments (OA) and operationally realistic evaluations of advanced technologies which informs military utility determination. These tests support releases and major milestones and decision points prior to Milestone C, full rate production, fielding, or declaration of IOC. IOT&E programs are identified in four system categories: Air; Weapons; Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR); and Combat Support. This program element is driven by Congressional and DoD acquisition-mandated requirements for operational testing. AFOTEC schedules and executes tests according to the forecasted test readiness of the MDAP program offices.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605712F I Initial Operational Test & Evaluation				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	13.736	14.247	14.597	0.000	14.597	
Current President's Budget	13.720	14.247	13.872	0.000	13.872	
Total Adjustments	-0.016	0.000	-0.725	0.000	-0.725	
• 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	-0.016	0.000	-0.725	0.000	-0.725	
Change Summary Explanation						
The FY 2026 request was reduced by \$725K 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 2024	FY 2025	FY 2026
Title: Air Systems OT&E				5.441	5.108	3.521
Description: Plan, execute and report OT&E for Air Systems						
FY 2025 Plans:						
-B-2 Military Global Positioning System User Equipment (B-2 MGUE): Conduct Operational Test in support of the 4th Test and Evaluation Squadron						
- E-7A: Conduct Attack Path Exercise, Cyber Vulnerability Identification						
- F-15 Eagle Passive and Active Warning and Survivability System (F-15 EPAWSS): Contractor Analyst Support, Transportation, Conduct IT&E						
- F-15EX: Conduct IT&E, Test team travel, Support for Cooperative Vulnerability and Penetration Assessment (CPVA), Adversarial Assessment (AA)						
- F-22 Sensor Enhancement: Contractor Analyst Support, Support for CVPA, Test team travel						
- F-35 Block 4 C2D2: Contractor Analyst Support, Test team travel						
- Conduct other planning and operational testing for new air system programs as the requirement becomes known to AFOTEC						
FY 2026 Plans:						
- F-15EX: Conduct Adversarial Assessment (AA)						
- F-22 Sensor Enhancement: Conduct MRAP-C on R6 and SeE IOT&E, CVPA, AA, Test Team travel						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605712F <i>I Initial Operational Test & Evaluation</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
- MH-139A Grey Wolf: Conduct Adversarial Assessment (AA) - Conduct other planning and operational testing for new air system programs as the requirement becomes known to AFOTEC FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease due to less aircraft testing in FY26.				
Title: Weapons Systems OT&E Description: Plan, execute and report OT&E for Weapons Systems FY 2025 Plans: - Joint Air-to-Surface Standoff Missile - Weapons Data Link (JASSM-WDL): Conduct AA, CVPA - Unified Platform (UP): Conduct agile release tests, AA - Air Intercept Missile-9X Sidewinder (AIM-9X Block II: Conduct MOT&E - Hypersonic Attack Cruise Missile (HACM): Measures Development OA - Stand-In Attack Weapon (SiAW): Measures Development OA Plan - SENTINEL: Conduct IT&E Test Activity Test team travel, Contractor Analyst Support - Conduct other planning and operational testing for new weapons system programs as the requirement becomes known to AFOTEC FY 2026 Plans: -Unified Platform (UP): Conduct CVPA, AA, Contractor Analyst Support -Hypersonic Attack Cruise Missile (HACM): Conduct CVPA, AA -Stand-In Attack Weapon (SiAW): Conduct MRAP-C -SENTINEL (GBSD): MRAP-C -Long Rand Stand-Off Cruise Missile (LRSO): Conduct CVPA -Conduct other planning and operational testing for new weapons system programs as the requirement becomes known to AFOTEC FY 2025 to FY 2026 Increase/Decrease Statement: Funding increases due to more test activities.		1.569	1.164	2.091
Title: C4ISR Systems OT&E Description: Plan, execute and report OT&E for C4ISR Systems FY 2025 Plans:		4.847	5.408	5.803

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605712F / <i>Initial Operational Test & Evaluation</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none"> - Three-Dimensional Expeditionary Long-Range Radar (3DELRR): Conduct AA 1 & CVPA TYQ-23 Interface, AA 2 & CVPA Army Integrated Fire Control Network (IFCN) Interface, Radio Frequency (RF) Cyber, IOT&E - Advanced Battle Management System Cloud Based Command and Control (ABMS-CBC2): Test Team support AA - Air Operations Center Weapon System Block 20 (AOC WS Block 20): CVPA, AA, IOT&E - Global Aircrew Strategic Network Terminal (ASNT) Inc 2: Conduct/finalize Phase 2 OPS DEMO - Joint Cyber Command and Control (JCC2): Conduct AA, CVPA, IOT&E - Survivable Airborne Operations Center (SAOC): Early Involvement Travel, Planning for MRAP-C, AA, RF Cyber - Conduct other planning and operational testing for new C4ISR programs as the requirement becomes known to AFOTEC 				
FY 2026 Plans: <ul style="list-style-type: none"> - Three-Dimensional Expeditionary Long-Range Radar (3DELRR): Conduct AA 1 TYQ-23 Interface, Contractor Analyst Support - Air Base Air Defense Battle Management Command and Control (ABAD-BMC2): Conduct AA - Advanced Battle Management System Distributable Battle Management Node Tactical Operation Center - Light (ABMS DBMN TOC-1): Conduct AA - Advanced Battle Management System Cloud Based Command and Control (ABMS-CBC2): Conduct CVPA, Contractor Analyst Support - Air Force Integrated Personnel and Pay System (AFIPPS): Conduct CVPA, AA - Air Operations Center Weapon System Block 20 (AOC WS Block 20 (KRADOS): Conduct CVPA, AA - Global Aircrew Strategic Network Terminal (GASNT) Inc 2: Conduct AA, Contractor Analyst Support - Homeland Defense Over The Horizon Radar (HLD-OTHR): Conduct MRAP_C, CVPA - Joint Cyber Command and Control (JCC2): Conduct AA, Contractor Analyst Support - AFOTEC Data analytics: Contractor Analyst Support - AFOTEC Data Scientist: Program Support - AFOTEC JSE Joint Simulation Environment: M&S Capability Support - AFOTEC Cybersecurity: Cyber Contract Support - AFOTEC AF/TE: Contract Support - AFOTEC System Support: Contract Support - AFOTEC CBRN Enterprise Program: Contractor Analyst Support - AFOTEC Raytheon Support: Contractor Analyst Support - Conduct other planning and operational testing for new C4ISR programs as the requirement becomes known to AFOTEC 				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to continuing existing efforts, coupled with increased cost of Test Team support/travel.				
Title: Combat Support OT&E		1.863	2.567	2.457

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605712F / <i>Initial Operational Test & Evaluation</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: Plan, execute and report OT&E for Combat Support OT&E FY 2025 Plans: -Air Force Integrated Personnel and Pay System (AFIPPS): Conduct IOT&E - Deliberate and Crisis Action Planning and Execution Segments Increment 2B (DCAPES Inc 2B): Conduct IOT&E - Maintenance, Repair, and Overhaul Initiative (MROI): Conduct AA 1, CVPA 1 & 2, OUE - Next Generation Chemical Detection Proximity Chemical Agent Detection (NGCD PCAD): Early Involvement, FA/HIS Testing, Developmental Testing Chamber Testing - Military GPS User Equipment Inc 2 Handheld (MGUE Inc 2 HH): Mission Risk Assessment Process for Cyber (MRAP-C), Conduct Obj B Ops Demo, Initial Test Development (ITD) Meeting - Conduct other planning and operational testing for new combat support programs as the requirement becomes known to AFOTEC FY 2026 Plans: - Next Generation Ejection Seat (NGES): Conduct CVPA -Conduct other planning and operational testing for new combat support programs as the requirement becomes known to AFOTEC FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to test completion of program in Combat Support Category				
Accomplishments/Planned Programs Subtotals		13.720	14.247	13.872
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605807F / <i>Test and Evaluation Support</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	960.429	936.913	1,098.871	0.000	1,098.871	-	-	-	-	-	-
6606TG: <i>704th Test Group</i>	0.000	47.991	49.723	58.226	0.000	58.226	-	-	-	-	-	-
6606TS: <i>Test and Evaluation Support</i>	0.000	912.438	887.190	1,040.645	0.000	1,040.645	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program element provides resources to operate the Air Force Test Center (AFTC) test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB). Test facilities/capabilities include wind tunnels, rocket and jet engine test cells, hypersonic and subsonic testing, modeling and simulation, technology, limited space environmental simulation chambers, armament test ranges, hardware-in-the-loop test facilities, climatic test facilities, avionics test facilities, aircraft testbeds, dry lake bed landing sites, instrumented test ranges, and test aircraft maintenance, as well as USAF Test Pilot School (TPS).

Test and Evaluation (T&E) Support funds institutional test infrastructure activities including: Command and supervisory staffs; supply stocks; maintenance, repair, and replacement of worn or obsolete test equipment and facilities; test infrastructure for data collection, transmission, reduction, and analysis; civilian salaries; temporary duty travel; range operations and material support contract costs for hardware and software engineering and maintenance; and minor improvement and modernization projects. It also funds institutional test aircraft depot level maintenance such as: Programmed Depot Maintenance (PDM), the calendar-based cyclic scheduling of aircraft into depots for update/inspection; modifications and any other depot level repairs required by the aircraft System Program Directors (SPD); engine overhauls; depot-provided area assistance; and assorted ground support equipment overhauls.

Within AFTC, there are three Test Wings (TW). The first is Arnold Engineering and Development Complex (AEDC), located at Arnold Air Force Base (AFB), TN. The AEDC institutional test infrastructure supports operations of the largest complex of ground test facilities in the world (including transonic, supersonic, and hypersonic wind tunnels; rocket motor and turbine engine test cells; space environmental test chambers, hyper ballistic ranges; and other specialized facilities). AEDC also supports geographically separated facilities which include the National Full-Scale Aerodynamic Complex (NFAC) located at NASA's AMES Research Center, CA, and Tunnel 9 located at White Oak, MD. The 412TW is located at Edwards AFB, CA. Its institutional test infrastructure supports weapons system development and operational test and evaluation for aircraft, aircraft subsystems and aircraft weapon systems, aerospace research vehicles, unmanned miniature vehicles, cruise missiles, parachute delivery/recovery systems, cargo handling systems, communications, information operations, and Electronic Warfare (EW) systems for DoD and allied forces. The 412TW mission also includes the USAF TPS. Lastly, the 96 TW, located at Eglin AFB, FL, is a joint test and training complex comprised of 724 square miles of land area, and approximately 123,000 square miles of water area. The 96TW provides the institutional test infrastructure required to conduct developmental and operational test and evaluation of non-nuclear air armaments (including aircraft guns, ammunition, and air-to-surface and air-to-air guided munitions); Command, Control, Communications, Computers, Cyber and Intelligence/Surveillance/Reconnaissance (C5ISR) systems; target acquisition and weapon delivery systems; and special operations aircraft systems. 96TW provides a scientific test process that supports the development, production, sustainment, and enhancement of munitions systems that support tri-service digital weapons development. T&E support services contracts are awarded on the basis of full and open competition.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605807F I Test and Evaluation Support			
This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.					
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	913.213	936.913	1,088.746	0.000	1,088.746
Current President's Budget	960.429	936.913	1,098.871	0.000	1,098.871
Total Adjustments	47.216	0.000	10.125	0.000	10.125
• 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	15.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	32.216	0.000	10.125	0.000	10.125
Change Summary Explanation					
A net increase of \$151.833M due to an increase for Hypersonic capability development, F-35 maintenance for 12 aircraft, developmental test aircraft capacity, and Joint Simulation Environment operations.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605807F / Test and Evaluation Support				Project (Number/Name) 6606TG / 704th Test Group			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
6606TG: 704th Test Group	0.000	47.991	49.723	58.226	0.000	58.226	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project infrastructure support is provided for the unique capabilities of the 704th Test Group (TG) facilities: Central Inertial and Global Positioning System (GPS) Test Facility (CIGTF/746th Test Squadron), the Holloman High Speed Test Track (HHSTT/846th Test Squadron) and the National Radar Cross Section (RCS) Test Facility (NRTF/704 TG Det 2), the 586th Flight Test Squadron including Detachment 1 (Det 1), 704 TG Operating Location (704 TG OL-AA) at Kirtland AFB, and 704 TG Operation Location (704 TG OL-AC) at Wright-Patterson AFB.

CIGTF provides independent test and evaluation of inertial, Global Positioning System, and integrated systems used for aircraft navigation and missile guidance systems, including vulnerability to electronic interference.

HHSTT capabilities include full-scale testing in flight representative environments, realistic live-fire simulations, test item and target fragment recovery, precision trajectory analysis and high speed photography.

NRTF provides radar cross section (RCS) monostatic and bistatic amplitude and phase measurements, antenna pattern measurements, glint and near field measurements for low observable targets.

The 586th Flight Test Squadron executes flight test and test support for advanced avionics and weapons development of joint, international and commercial test programs. Det 1 provides the liaison function for coordinating and scheduling all US Air Force test and training operations at White Sands Missile Range (WSMR). OL-AA provides test support for the Air Force Research Lab (AFRL) Directed Energy Division.

The 704 TG OL-AC includes the Landing Gear Test Facility (LGTF) with capabilities such as variable and fixed inertia dynamometers, compression/tension load applicators, 4 drop towers, a burst pit and a dynamic load simulator. The 704 TG OL-AC also includes the Air Vehicle Survivability Office that provides support for Air Force aircraft acquisition programs. The 704th TG support services contracts are awarded on the basis of full and open competition.

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

	FY 2024	FY 2025	FY 2026
Title: Civ Pay	30.893	31.674	29.877
Description: Provide civilian pay at the 704th Test Group (TG) to support testing of DoD, other Government Agencies, foreign military sales, and commercial weapon systems.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605807F / <i>Test and Evaluation Support</i>	Project (Number/Name) 6606TG / <i>704th Test Group</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Continue civilian pay at the 704th Test Group (TG) to support testing of DoD, other Government Agencies, foreign military sales, and commercial weapon systems. <i>FY 2026 Plans:</i> Fund civilian pay for the 704th Test Group's (TG) consistent mission of testing of DoD, other Government Agencies, foreign military sales, and commercial weapon systems. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease of \$1.797 million is due reductions to civilian workforce, other civilian pay assumptions and inflation. The FY 2026 request was reduced by \$3.014 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."			
<i>Title:</i> Non Pay <i>Description:</i> Provide infrastructure at the 704th Test Group (TG) to support testing of DoD, other Government Agencies, foreign military sales, and commercial weapon systems. <i>FY 2025 Plans:</i> - Resources provide operational support for AFTC test activates. Efforts include Aircraft Ops, Flying Hour Program (FHP), contracted services, test equipment and supplies, general operations and maintenance, and utilities (list not all inclusive). <i>FY 2026 Plans:</i> - Continue funding operational support for AFTC test activities. Efforts include aircraft operations, Flying Hour Program (FHP), contracted services, test equipment and supplies, general operations and maintenance, and utilities (list not all inclusive). <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Increase of \$10.300 million is due to an add in support of Hypersonics.		17.098	18.049
Accomplishments/Planned Programs Subtotals		47.991	49.723
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605807F / Test and Evaluation Support				Project (Number/Name) 6606TS / Test and Evaluation Support			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
6606TS: Test and Evaluation Support	0.000	912.438	887.190	1,040.645	0.000	1,040.645	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program activity provides resources to operate the Air Force Test Center (AFTC) test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB). Test facilities/capabilities operated through this program include wind tunnels, rocket and jet engine test cells, hypersonic and subsonic testing, modeling and simulation, technology, limited space environmental simulation chambers, armament test ranges, hardware-in-the-loop test facilities, climatic test facilities, avionics test facilities, aircraft testbeds, dry lakebed landing sites, instrumented test ranges, and test aircraft maintenance, as well as USAF Test Pilot School.

The AFTC's three Test Wings (TW) are supported by this project: (1) Arnold Engineering and Development Complex (AEDC), located at Arnold Air Force Base (AFB) TN; (2) 412TW, located at Edwards AFB, CA; and (3) 96TW, located at Eglin AFB, FL.

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

	FY 2024	FY 2025	FY 2026
Title: Civ Pay	429.451	441.105	400.686
Description: Provide civ pay to support testing at Arnold Engineering and Development Complex (AEDC), the 412TW and USAF Test Pilot School at Edwards AFB, and the 96TW at Eglin AFB.			
FY 2025 Plans: - Total consists of civilian pay to support testing at Arnold Engineering and Development Complex (AEDC), the 412TW and USAF Test Pilot School at Edwards AFB, and the 96TW at Eglin AFB.			
FY 2026 Plans: - Continue funding civilian pay to support testing at AEDC, the 412TW and USAF TPS at Edwards AFB, and the 96TW at Eglin AFB.			
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$40.419 million is due reductions to civilian workforce, other civilian pay assumptions, and inflation.			
The FY 2026 request was reduced by \$4.591 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."			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0605807F / Test and Evaluation Support		Project (Number/Name) 6606TS / Test and Evaluation Support	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
The FY 2026 request was reduced by \$40.635 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."					
Title: Non Pay			482.987	446.085	639.959
Description: Provide resources to support testing at Arnold Engineering and Development Complex (AEDC), the 412TW and USAF Test Pilot School at Edwards AFB, and the 96TW at Eglin AFB.					
FY 2025 Plans: - Resources provide operational support for AFTC test activities. Efforts include Aircraft Ops, Flying Hour Program (FHP), Programmed Depot Maintenance (PDM), contracted services, test equipment and supplies, general operations and maintenance, utilities, and Test Pilot School (list not all inclusive). - Additional operations funding will be utilized to add manpower required to meet the increased demand for ground test and evaluation in numerous facilities at AEDC. Transonic, supersonic, and hypersonic wind tunnels require additional manning to meet Major Defense Acquisition Program and technology maturation project milestones. - New facilities that will add scramjet test capability and high temperature material testing will be coming online and requires personnel to operate and sustain those new facilities.					
FY 2026 Plans: - Continue to provide operational support for AFTC test activities. Efforts include Aircraft Ops, Flying Hour Program (FHP), Programmed Depot Maintenance (PDM), contracted services, test equipment and supplies, general operations and maintenance, utilities, and Test Pilot School (list not all inclusive). - Execute increased aircraft funding in support of B-52H PDM and FHP, as well as operations and sustainment for C-130, F-16, C-12, and T-38 DT aircraft. - Begin execution of Air Combat Command (ACC)-provided funding in support of Joint Simulation Environment (JSE) integration and validation to improve total system utility, realism, and interoperability. Most notably, this includes the integration of existing real-world ranges and test facilities into the JSE environment.					
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of 193.874 million due to a combination of increases of 42.9 million for Developmental Test Aircraft Capacity, 9.4 million zero balanced realignment from civilian pay for program execution, 15.8 million for Joint Simulation Environment, 39.119 million for F-35 support, and net 86.655 in support of Hypersonics					
Accomplishments/Planned Programs Subtotals			912.438	887.190	1,040.645

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605807F / <i>Test and Evaluation Support</i>	Project (Number/Name) 6606TS / <i>Test and Evaluation Support</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy N/A		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605827F I <i>Acq Workforce- Global Vig & Combat Sys</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	317.901	327.724	0.000	0.000	0.000	-	-	-	-	-	-
665827: <i>Acq Workforce-Global Vig & Combat Sys</i>	0.000	317.901	327.724	0.000	0.000	0.000	-	-	-	-	-	-

Note

In FY 2026, PE 0605827F, Acq Workforce - Global Vig & Combat Sys, Project 665827, Acq Workforce - Global Vig & Combat Sys, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665827, Acq Workforce - Global Vig & Combat Sys, as part of the consolidation of six AFLCMC Acq Workforce PEs into three PEs in order to more accurately reflect their contribution to one of three outputs and capabilities: Acq Workforce — Cyber, Network, & Bus Sys, Acq Workforce - Capability Integration, and Acq Workforce — Management HQ - R&D. The consolidation enables AFLCMC to better manage variability associated with attrition rates, hiring timelines, demographic changes, and Average Work Year Costs (AWYC) across the AFLCMC enterprise. In addition, the consolidation will reduce the need for technical adjustments, ATRs, and/or BTRs in the year of execution. The consolidation maintains transparency associated with funding, authorizations, work years, and AWYC's due to the establishment of Projects within the consolidated PE 0605831F Program.

A. Mission Description and Budget Item Justification

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605827F I Acq Workforce- Global Vig & Combat Sys			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	317.901	316.924	308.745	0.000	308.745
Current President's Budget	317.901	327.724	0.000	0.000	0.000
Total Adjustments	0.000	10.800	-308.745	0.000	-308.745
• 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	10.800			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-308.745	0.000	-308.745
Change Summary Explanation					
In FY 2025, the \$10.800 million increase was due to a Congressionally directed project level adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605827F / Acq Workforce- Global Vig & Combat Sys				Project (Number/Name) 665827 / Acq Workforce-Global Vig & Combat Sys			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665827: Acq Workforce-Global Vig & Combat Sys	0.000	317.901	327.724	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605827F, Acq Workforce - Global Vig & Combat Sys, Project 665827, Acq Workforce - Global Vig & Combat Sys, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665827, Acq Workforce - Global Vig & Combat Sys, as part of the consolidation of six AFLCMC Acq Workforce PEs into three PEs in order to more accurately reflect their contribution to one of three outputs and capabilities: Acq Workforce — Cyber, Network, & Bus Sys, Acq Workforce - Capability Integration, and Acq Workforce — Management HQ - R&D. The consolidation enables AFLCMC to better manage variability associated with attrition rates, hiring timelines, demographic changes, and Average Work Year Costs (AWYC) across the AFLCMC enterprise. In addition, the consolidation will reduce the need for technical adjustments, ATRs, and/or BTRs in the year of execution. The consolidation maintains transparency associated with funding, authorizations, work years, and AWYC's due to the establishment of Projects within the consolidated PE 0605831F Program.												
A. Mission Description and Budget Item Justification The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									317.801	327.724	0.000	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605827F / Acq Workforce- Global Vig & Combat Sys	Project (Number/Name) 665827 / Acq Workforce-Global Vig & Combat Sys	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
The \$327.724 million FY25 (FY26 PB) to FY26 (FY26 PB) decrease was due to the transfer of PE 0605827F, Acq Workforce - Global Vig & Combat Sys, Project 665827, Acq Workforce - Global Vig & Combat Sys, efforts to PE 0605831F, Acq Workforce - Capability Integration, Project 665827, Acq Workforce - Global Vig & Combat Sys.			
Title: Acquisition Workforce - Non-Civilian Pay Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A		0.100	0.000
Accomplishments/Planned Programs Subtotals		317.901	327.724
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605828F / <i>Acq Workforce- Global Reach</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	486.427	503.040	0.000	0.000	0.000	-	-	-	-	-	-
665826: <i>acq workforce-global power</i>	0.000	291.982	318.523	0.000	0.000	0.000	-	-	-	-	-	-
665828: <i>Acq Workforce-Global Reach</i>	0.000	194.445	184.517	0.000	0.000	0.000	-	-	-	-	-	-

Note

In FY 2026, PE 0605828F, Acq Workforce - Global Reach, Project 665826, Acq Workforce - Global Power, and Project 665828, Acq Workforce - Global Reach, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665826, Acq Workforce - Global Power, and Project 665828, Acq Workforce - Global Reach, as part of the consolidation of six AFLCMC Acq Workforce PEs into three PEs in order to more accurately reflect their contribution to one of three outputs and capabilities: Acq Workforce — Cyber, Network, & Bus Sys, Acq Workforce - Capability Integration, and Acq Workforce — Management HQ - R&D. The consolidation enables AFLCMC to better manage variability associated with attrition rates, hiring timelines, demographic changes, and Average Work Year Costs (AWYC) across the AFLCMC enterprise. In addition, the consolidation will reduce the need for technical adjustments, ATRs, and/or BTRs in the year of execution. The consolidation maintains transparency associated with funding, authorizations, work years, and AWYC's due to the establishment of Projects within the consolidated PE 0605831F Program.

A. Mission Description and Budget Item Justification

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605828F I Acq Workforce- Global Reach			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	541.677	496.740	526.871	0.000	526.871
Current President's Budget	486.427	503.040	0.000	0.000	0.000
Total Adjustments	-55.250	6.300	-526.871	0.000	-526.871
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-55.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	6.300			
• Reprogrammings	-0.250	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-526.871	0.000	-526.871
Change Summary Explanation					
In FY 2024, the \$55.250 million decrease was due to a Congressional Directed Reduction for projected under execution (-\$55.000 million) and an approved \$0.250 million Below Threshold Reprogramming to realigning funding between the Acq Workforce PEs within AFMC. The net adjusted amount among the Acq Workforce PEs totaled net sum zero and was necessary to correct funds alignment for proper execution. In FY 2025, the \$6.300 million increase was due to a Congressionally directed project level adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605828F / Acq Workforce- Global Reach				Project (Number/Name) 665826 / acq workforce-global power			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665826: acq workforce-global power	0.000	291.982	318.523	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									286.173	313.636	0.000	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Power acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$313.636 million FY25 (FY26 PB) to FY26 (FY26 PB) decrease was due to the transfer of PE 0605828F, Acq Workforce - Global Reach, Project 665826, Acq Workforce - Global Power, efforts to PE 0605831F, Acq Workforce - Capability Integration, Project 665826, Acq Workforce - Global Power.												
Title: Acquisition Workforce - Non-Civilian Pay									5.809	4.887	0.000	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Power acquisition programs throughout their life cycle.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605828F / Acq Workforce- Global Reach	Project (Number/Name) 665826 / acq workforce-global power	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: The \$4.887 million FY25 (FY26 PB) to FY26 (FY26 PB) decrease was due to the transfer of PE 0605828F, Acq Workforce - Global Reach, Project 665826, Acq Workforce - Global Power, efforts to PE 0605831F, Acq Workforce - Capability Integration, Project 665826, Acq Workforce - Global Power.			
Accomplishments/Planned Programs Subtotals		291.982	318.523
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
N/A			
D. Acquisition Strategy			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605828F / Acq Workforce- Global Reach				Project (Number/Name) 665828 / Acq Workforce-Global Reach			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665828: Acq Workforce-Global Reach	0.000	194.445	184.517	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									194.445	184.517	0.000	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Reach acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$184.517 million FY25 (FY26 PB) to FY26 (FY26 PB) decrease was due to the transfer of PE 0605828F, Acq Workforce - Global Reach, Project 665828, Acq Workforce - Global Reach, efforts to PE 0605831F, Acq Workforce - Capability Integration, Project 665828, Acq Workforce - Global Reach.												
Title: Acquisition Workforce Non-Civilian Pay									0.000	0.000	0.000	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Reach acquisition programs throughout their life cycle.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605828F / Acq Workforce- Global Reach	Project (Number/Name) 665828 / Acq Workforce-Global Reach		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: N/A				
FY 2026 Plans: N/A				
FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		194.445	184.517	0.000
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605829F / <i>Acq Workforce- Cyber, Network, & Bus Sys</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	502.787	466.068	435.918	0.000	435.918	-	-	-	-	-	-
664127: <i>Acq Workforce - Direct</i>	0.000	16.978	0.000	0.000	0.000	0.000	-	-	-	-	-	-
665829: <i>acq workforce-cyber network & bus sys</i>	0.000	243.502	232.586	435.918	0.000	435.918	-	-	-	-	-	-
665830: <i>Acq Workforce-Global Battle Mgmt</i>	0.000	242.307	233.482	0.000	0.000	0.000	-	-	-	-	-	-

Note

In FY 2026, PE 0605829F, Acq Workforce — Cyber, Network, & Bus Sys, Program 665830, Acq Workforce - Global Battle Mgmt, efforts were transferred to PE 0605829F, Acq Workforce - Cyber, Network, & Bus Sys, Program 665829, Acq Workforce - Cyber, Network, & Bus Sys.

The FY26 request for 060589F was reduced by \$45.139 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

The FY26 request for 0605829F has a net reduction of \$30.150 million. The overall reductions included \$45.139 million decrease for workforce optimization, and a \$14.989 increase for updated average work year costs to account for changes in economic assumptions, awards, benefits, and workforce mixes. The average work year cost increase allows for full funding of the programmed full-time equivalents to ensure the Air Force has the most qualified individuals to remain competitive and lethal.

A. Mission Description and Budget Item Justification

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605829F I Acq Workforce- Cyber, Network, & Bus Sys			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	551.213	521.987	522.491	0.000	522.491
Current President's Budget	502.787	466.068	435.918	0.000	435.918
Total Adjustments	-48.426	-55.919	-86.573	0.000	-86.573
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-35.226	-55.919			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	1.500	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	-14.700	0.000	-86.573	0.000	-86.573
Change Summary Explanation					
In FY 2024, the \$48.426 million decrease was due to a \$35.226 million Congressional Directed Reduction for projected under execution, an Air Force requested \$14.700 million Technical Adjustment as well as an approved \$1.500 million Below Threshold Reprogramming realigning funding between the Acq Workforce PEs within AFMC. The net adjusted amount among the Acq Workforce PEs totaled net sum zero and was necessary to correct funds alignment for proper execution.					
In FY 2025, the \$55.919 million decrease was due to a Congressionally directed project level adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys				Project (Number/Name) 664127 / Acq Workforce - Direct			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
664127: Acq Workforce - Direct	0.000	16.978	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									16.978	0.000	0.000	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Cyber, Network, and Business Systems acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: N/A												
Title: Acquisition Workforce - Non-Civilian Pay									0.000	0.000	0.000	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Cyber, Network, and Business Systems acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys	Project (Number/Name) 664127 / Acq Workforce - Direct		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
N/A				
FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		16.978	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
N/A				
D. Acquisition Strategy				
N/A				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys				Project (Number/Name) 665829 / acq workforce-cyber network & bus sys			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665829: acq workforce-cyber network & bus sys	0.000	243.502	232.586	435.918	0.000	435.918	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605829F, Acq Workforce - Cyber, Network, & Bus Sys, Program 665830, Acq Workforce - Global Battle Mgmt, efforts were transferred to PE 065829F, Program 665829, Acq Workforce - Cyber, Network, & Bus Sys.												
A. Mission Description and Budget Item Justification This Project funds the Air Force Life Cycle Management Center (AFLCMC) civilian workforce in the Business and Enterprise Systems and the Cyber and Networks Directorates. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									230.571	232.176	435.382	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Cyber, Network, and Business Systems acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys	Project (Number/Name) 665829 / acq workforce-cyber network & bus sys	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
The \$203.206 million increase from FY25 to FY26 is a combination of the following: the transfer of full-time equivalents and the associated funding from PE 0605829F, Program 665830 into PE 0605829F, Program 665829; increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 2,541 full-time equivalents.			
Title: Acquisition Workforce - Non-Civilian Pay Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Cyber, Network, and Business Systems acquisition programs throughout their life cycle. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: The \$0.126 million increase is due to inflation.		12.931	0.410
Accomplishments/Planned Programs Subtotals		243.502	435.918
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys				Project (Number/Name) 665830 / Acq Workforce-Global Battle Mgmt			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665830: Acq Workforce-Global Battle Mgmt	0.000	242.307	233.482	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, PE 0605829F, Acq Workforce - Cyber, Network, & Bus Sys, Program 665830, Acq Workforce - Global Battle Mgmt, efforts were transferred to PE 065829F, Program 665829, Acq Workforce - Cyber, Network, & Bus Sys.

A. Mission Description and Budget Item Justification

This Project funds the Air Force Life Cycle Management Center (AFLCMC) civilian workforce in the Command, Control, Communications & Battle Management and Electronic Systems Directorates. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.

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

	FY 2024	FY 2025	FY 2026
Title: Acquisition Workforce - Civilian Pay	242.307	233.482	0.000
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Battle Management acquisition programs throughout their life cycle.			
FY 2025 Plans: N/A			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: The FY26 PB transferred PE 0605829F, Program 665830 efforts to PE 0605829F, Program 665829.			
Title: Acquisition Workforce - Non-Civilian Pay	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605829F / Acq Workforce- Cyber, Netw ork, & Bus Sys	Project (Number/Name) 665830 / Acq Workforce-Global Battle Mgmt		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Global Battle Management acquisition programs throughout their life cycle. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		242.307	233.482	0.000
C. Other Program Funding Summary (\$ in Millions) N/A				
<u>Remarks</u>				
D. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605831F I Acq Workforce- Capability Integration							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	273.530	291.444	1,153.165	0.000	1,153.165	-	-	-	-	-	-
665826: acq workforce-global power	0.000	0.000	0.000	304.623	0.000	304.623	-	-	-	-	-	-
665827: Acq Workforce-Global Vig & Combat Sys	0.000	0.000	0.000	318.999	0.000	318.999	-	-	-	-	-	-
665828: Acq Workforce-Global Reach	0.000	0.000	0.000	179.071	0.000	179.071	-	-	-	-	-	-
665831: Acq Workforce - Capability Integration	0.000	273.530	291.444	280.687	0.000	280.687	-	-	-	-	-	-
665832: Acq Workfoce-Advanced Prgm Technology	0.000	0.000	0.000	69.785	0.000	69.785	-	-	-	-	-	-
Note The FY26 request for 0605831F was reduced by \$115.343 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative." The FY26 request for 0605831F has a net increase of \$861.721 million. The FY26 request consolidates PEs 0605827F, 0605828F, and 0605832F into 0605831F. The overall increase includes \$0.213 million increase for non-pay due to inflation, \$870.306 million increase for consolidating PEs, \$115.343 million reduction for optimization, \$106.454 million increase for updated average work year costs to account for changes in economic assumptions, awards, benefits, and workforce mixes. The average work year cost increase allows for full funding of the programmed full-time equivalents to ensure the Air Force has the most qualified individuals to remain competitive and lethal. A. Mission Description and Budget Item Justification The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605831F I Acq Workforce- Capability Integration			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	243.780	262.349	195.282	0.000	195.282
Current President's Budget	273.530	291.444	1,153.165	0.000	1,153.165
Total Adjustments	29.750	29.095	957.883	0.000	957.883
• 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	29.095			
• Reprogrammings	-0.250	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	30.000	0.000	957.883	0.000	957.883
Change Summary Explanation					
In FY 2024, the \$29.750 million increase was due to an Air Force requested Technical Adjustment (\$30.000 million) and an approved -\$0.250 million Below Threshold Reprogramming to realigning funding between the Acq Workforce PEs within AFMC. The net adjusted amount among the Acq Workforce PEs totaled net sum zero and was necessary to correct funds alignment for proper execution. In FY 2025, the \$29.095 million increase was due to a Congressionally directed project level adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 665826 / acq workforce-global power			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665826: acq workforce-global power	0.000	0.000	0.000	304.623	0.000	304.623	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605828F, Acq Workforce - Global Reach, Project 665826, Acq Workforce - Global Power, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665826, Acq Workforce - Global Power.												
A. Mission Description and Budget Item Justification This Project funds the Air Force Life Cycle Management Center (AFLCMC) civilian workforce in the Fighters and Advanced Aircraft, Bombers, and Armament Directorates. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this project will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This project supports both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									0.000	0.000	299.522	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Power acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$299.522 million increase FY25 to FY26 is a combination of the following: transitioning from PE 0605828F, increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 1,712 full-time equivalents.												
Title: Acquisition Workforce - Non-Civilian Pay									0.000	0.000	5.101	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / <i>Acq Workforce- Capability In tegration</i>	Project (Number/Name) 665826 / <i>acq workforce-global power</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Power acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The increase (\$0.214 million) is due to inflation.</p>			
		Accomplishments/Planned Programs Subtotals	
		304.623	
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 665827 / Acq Workforce-Global Vig & Combat Sys			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665827: Acq Workforce-Global Vig & Combat Sys	0.000	0.000	0.000	318.999	0.000	318.999	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605827F, Acq Workforce - Global Vig & Combat Sys, Project 665827, Acq Workforce - Global Vig & Combat Sys, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665827, Acq Workforce - Global Vig & Combat Sys.												
<u>A. Mission Description and Budget Item Justification</u> This Project funds the Air Force Life Cycle Management Center (AFLCMC) civilian workforce in the Intelligence, Surveillance, and Reconnaissance and Special Operations Forces, Combat Readiness, Training, and Propulsion Directorates. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this project will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This project supports both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									0.000	0.000	318.999	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$318.999 million increase FY25 to FY26 is a combination of the following: transitioning from PE 0605827F, increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 1,911 full-time equivalents.												
Title: Acquisition Workforce - Non-Civilian Pay									0.000	0.000	0.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration	Project (Number/Name) 665827 / Acq Workforce-Global Vig & Combat Sys	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>			
Accomplishments/Planned Programs Subtotals		0.000	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 665828 / Acq Workforce-Global Reach			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665828: Acq Workforce-Global Reach	0.000	0.000	0.000	179.071	0.000	179.071	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
In FY 2026, PE 0605828F, Acq Workforce - Global Reach, Project 665828, Acq Workforce - Global Reach, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665828, Acq Workforce - Global Reach.												
A. Mission Description and Budget Item Justification												
This Project funds the Air Force Life Cycle Management Center (AFLCMC) civilian workforce in the Mobility, Training, and Presidential and Executive Airpower Directorates. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this project will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This project supports both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									0.000	0.000	179.071	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Reach acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$179.071 million increase FY25 to FY26 is a combination of the following: transitioning from PE 0605828F, increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 1,087 full-time equivalents.												
Title: Acquisition Workforce - Non-Civilian Pay									0.000	0.000	0.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration	Project (Number/Name) 665828 / Acq Workforce-Global Reach	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical business capabilities needed to oversee Global Reach acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>			
Accomplishments/Planned Programs Subtotals		0.000	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 665831 / Acq Workforce - Capability Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665831: Acq Workforce - Capability Integration	0.000	273.530	291.444	280.687	0.000	280.687	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project funds the AFLCMC civilian workforce in cross-cutting and mission support organizations such as Plans & Programs, Engineering, Contracting, Financial Management, Logistics, Program Management, Intelligence, Information Protection, Safety, Personnel, Small Business, Inspector General, and Staff Judge Advocate. The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.

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

	FY 2024	FY 2025	FY 2026
Title: Acquisition Workforce - Civilian Pay	254.352	281.499	270.529
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Capability Integration acquisition programs throughout their life cycle.			
FY 2025 Plans: N/A			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: The \$10.970 million decrease FY25 to FY26 is a combination of increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 1,522 full-time equivalents.			
Title: Acquisition Workforce - Non-Civilian Pay	19.178	9.945	10.158

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration	Project (Number/Name) 665831 / Acq Workforce - Capability Integration	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Capability Integration acquisition programs throughout their life cycle. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: The \$0.213 million increase is due to inflation.			
Accomplishments/Planned Programs Subtotals		273.530	280.687
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 665832 / Acq Workfoce-Advanced Prgm Technology			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665832: Acq Workfoce- Advanced Prgm Technology	0.000	0.000	0.000	69.785	0.000	69.785	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605832F, Acq Workforce - Advanced Prgm Technology, Project 665832, Acq Workforce - Advanced Prgm Technology, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665832, Acq Workforce - Advanced Prgm Technology.												
A. Mission Description and Budget Item Justification This Project funds the AFLCMC civilian workforce supporting Special Access Programs across the Center. AFLCMC equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this project will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This project supports both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									0.000	0.000	69.785	
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Advanced Program Technology acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$69.785 million increase FY25 to FY26 is a combination of the following: transitioning from PE 0605832F, increased funding for updated average work year costs; and a reduction for workforce optimization. The funding supports 425 full-time equivalents.												
Title: Acquisition Workforce - Non-Civilian Pay									0.000	0.000	0.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration	Project (Number/Name) 665832 / Acq Workfoce-Advanced Prgm Technology		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Advanced Program Technology acquisition programs throughout their life cycle. This effort supports non-pay requirements associated with the acquisition workforce.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>				
Accomplishments/Planned Programs Subtotals		0.000	0.000	69.785
C. Other Program Funding Summary (\$ in Millions) N/A				
<u>Remarks</u> N/A				
<u>D. Acquisition Strategy</u> N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605832F I Acq Workforce- Advanced Prgm Technology							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	72.767	68.182	0.000	0.000	0.000	-	-	-	-	-	-
665832: Acq Workforce- Advanced Prgm Technology	0.000	72.767	68.182	0.000	0.000	0.000	-	-	-	-	-	-

Note

In FY 2026, PE 0605832F, Acq Workforce - Advanced Prgm Technology, Project 665832, Acq Workforce - Advanced Prgm Technology, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665832, Acq Workforce - Advanced Prgm Technology, as part of the consolidation of six AFLCMC Acq Workforce PEs into three PEs in order to more accurately reflect their contribution to one of three outputs and capabilities: Acq Workforce — Cyber, Network, & Bus Sys, Acq Workforce - Capability Integration, and Acq Workforce — Management HQ - R&D. The consolidation enables AFLCMC to better manage variability associated with attrition rates, hiring timelines, demographic changes, and Average Work Year Costs (AWYC) across the AFLCMC enterprise. In addition, the consolidation will reduce the need for technical adjustments, ATRs, and/or BTRs in the year of execution. The consolidation maintains transparency associated with funding, authorizations, work years, and AWYC's due to the establishment of Projects within the consolidated PE 0605831F Program.

A. Mission Description and Budget Item Justification

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605832F I Acq Workforce- Advanced Prgm Technology			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	109.030	69.319	104.878	0.000	104.878
Current President's Budget	72.767	68.182	0.000	0.000	0.000
Total Adjustments	-36.263	-1.137	-104.878	0.000	-104.878
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-3.263	-1.137			
• 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	-32.000	0.000	-104.878	0.000	-104.878
Change Summary Explanation					
In FY 2024, the \$36.263 million decrease was due to a \$3.263 million Congressional Directed Reduction for projected under execution, an Air Force requested \$32.000 million Technical Adjustment, and an approved -\$1.000 million Below Threshold Reprogramming realigning funding between the Acq Workforce PEs within AFMC. The net adjusted amount among the Acq Workforce PEs totaled net sum zero and was necessary to correct funds alignment for proper execution. In FY 2025, the \$1.137 million decrease was due to a Congressionally directed project level adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605832F / Acq Workforce- Advanced Prgm Technology				Project (Number/Name) 665832 / Acq Workfoce-Advanced Prgm Technology			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665832: Acq Workfoce-Advanced Prgm Technology	0.000	72.767	68.182	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2026, PE 0605832F, Acq Workforce - Advanced Prgm Technology, Project 665832, Acq Workforce - Advanced Prgm Technology, efforts were transferred to PE 0605831F, Acq Workforce - Capability Integration, Project 665832, Acq Workforce - Advanced Prgm Technology.												
A. Mission Description and Budget Item Justification The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Acquisition Workforce - Civilian Pay									72.767	68.182	0.000	
Description: The acquisition and product support workforce civilian pay provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Advanced Program Technology acquisition programs throughout their life cycle.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: The \$68.182 million FY25 (FY26 PB) to FY26 (FY26 PB) decrease was due to the transfer of PE 0605832F, Acq Workforce - Advanced Prgm Technology, Project 665832, Acq Workforce - Advanced Prgm Technology, efforts to PE 0605831F, Acq Workforce - Capability Integration, Project 665832, Acq Workforce - Advanced Prgm Technology.												
Title: Acqusition Workforce - Non-Civilian Pay									0.000	0.000	0.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605832F / <i>Acq Workforce- Advanced Prgm Technology</i>	Project (Number/Name) 665832 / <i>Acq Workfoce-Advanced Prgm Technology</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Advanced Program Technology acquisition programs throughout their life cycle.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>			
Accomplishments/Planned Programs Subtotals		72.767	68.182
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605833F / <i>Acq Workforce- Nuclear Systems</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	305.322	343.180	368.881	0.000	368.881	-	-	-	-	-	-
665833: <i>Acq Workforce - Nuclear Systems</i>	0.000	305.322	343.180	368.881	0.000	368.881	-	-	-	-	-	-

Note

In FY 2022, PE 0605833F, Acquisition Workforce - Nuclear Systems, Project 664127, (ACQ Workforce - Direct) efforts were transferred to Project 665833 (Acq Workforce - Nuclear Systems) in order to better provide transparency to congress on acquisition workforce execution.

A. Mission Description and Budget Item Justification

This program element directly funds the Air Force Nuclear Weapons Center (AFNWC) and Air Force Life Cycle Management Center (AFLCMC) nuclear acquisition workforce.

AFNWC and AFLCMC equip U.S. forces with operational nuclear weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, technical and business capabilities needed to oversee Nuclear Systems acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605833F I Acq Workforce- Nuclear Systems			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	336.788	343.180	368.848	0.000	368.848
Current President's Budget	305.322	343.180	368.881	0.000	368.881
Total Adjustments	-31.466	0.000	0.033	0.000	0.033
• Congressional General Reductions	-31.466	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	0.033	0.000	0.033
Change Summary Explanation					
665833 The FY24 31.466M reduction reflects an Air Force congressional adjustment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605833F / Acq Workforce- Nuclear Systems				Project (Number/Name) 665833 / Acq Workforce - Nuclear Systems			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665833: Acq Workforce - Nuclear Systems	0.000	305.322	343.180	368.881	0.000	368.881	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2022, PE 0605833F, Acquisition Workforce - Nuclear Systems, Project 664127, (ACQ Workforce - Direct) efforts were transferred to Project 665833 (Acq Workforce - Nuclear Systems) in order to better provide transparency to congress on acquisition workforce execution.

A. Mission Description and Budget Item Justification

This program element directly funds the Air Force Nuclear Weapons Center (AFNWC) and Air Force Life Cycle Management Center (AFLCMC) nuclear acquisition workforce.

AFNWC and AFLCMC equip U.S. forces with operational nuclear weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, technical and business capabilities needed to oversee Nuclear Systems acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. These program elements support both civilian pay and non-pay support requirements.

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

	FY 2024	FY 2025	FY 2026
Title: Acquisition Workforce	298.835	336.600	362.143
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee Nuclear Systems acquisition programs throughout their life cycle.			
FY 2025 Plans: Continue to fund the Nuclear Systems acquisition and product support workforce growth.			
FY 2026 Plans: Continue to fund the Nuclear Systems acquisition and product support workforce.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605833F / Acq Workforce- Nuclear Systems	Project (Number/Name) 665833 / Acq Workforce - Nuclear Systems	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
The FY26 PB budgets 362.143M in this program to support 2,109 direct, full-time equivalents. The 25.701M increase from FY25 PB to FY26 PB is to fully fund 144 workyears that were previously approved without funding. The 144 work years support nuclear modernization efforts within the Air Force Nuclear Weapons Center enterprise to include ICBM and NC3 programs.			
Title: AFNWC Headquarters (HQ) Management Support Description: Provides resources for non-pay AFNWC HQ Management Support providing continuous cutting edge nuclear weapon systems, sustainment capabilities, management, tools, and technical and business capabilities needed to over see Nuclear Weapons acquisition programs throughout their life cycle. FY 2025 Plans: Continue to provide day-to-day operations support for AFNWC HQ Staff such as IT support, A&AS contract support, supplies, temporary duty travel, operations, facilities upkeep and material support contract costs for nuclear system engineering and maintenance. FY 2026 Plans: Provide day-to-day operations support for AFNWC HQ Staff such as IT support, A&AS contract support, supplies, temporary duty travel, operations, facilities upkeep and material support contract costs for nuclear system engineering and maintenance. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased to meet inflationary growth of costs within the AFNWC HQ Staff Portfolio.		6.487	6.580
Accomplishments/Planned Programs Subtotals		305.322	343.180
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605898F I Management HQ - R&D							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	6.705	6.291	5.960	0.000	5.960	-	-	-	-	-	-
665898: Management HQ-R&D	0.000	6.705	6.291	5.960	0.000	5.960	-	-	-	-	-	-

Note

The FY26 request for 060589F was reduced by \$0.621 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

The FY26 request for 0605898F has a net reduction of \$0.331 million. The overall reductions included \$0.621 million decrease of workforce optimization, and a \$0.952 million increase for updated average work year costs to account for changes in economic assumptions, awards, benefits, and workforce mixes. The average work year cost increase allows for full funding of the programmed full-time equivalents to ensure the Air Force has the most qualified individuals to remain competitive and lethal.

A. Mission Description and Budget Item Justification

The Management Headquarters program element 0605898F includes management headquarters personnel for Air Force Life Cycle Management Center.

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605898F I Management HQ - R&D			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	5.005	6.291	4.770	0.000	4.770
Current President's Budget	6.705	6.291	5.960	0.000	5.960
Total Adjustments	1.700	0.000	1.190	0.000	1.190
• 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	1.700	0.000	1.190	0.000	1.190
Change Summary Explanation					
In FY 2024, the \$1.700 million increase was due to an Air Force requested Technical Adjustment realigning funding between the Acq Workforce PEs within AFMC. The net adjusted amount among the Acq Workforce PEs totaled net sum zero and was necessary to correct funds alignment for proper execution.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605898F / Management HQ - R&D				Project (Number/Name) 665898 / Management HQ-R&D			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
665898: Management HQ-R&D	0.000	6.705	6.291	5.960	0.000	5.960	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Management Headquarters program element 0605898F includes management headquarters personnel for Air Force Life Cycle management Center.

The Air Force Life Cycle Management Center (AFLCMC) equips U.S. and allied forces with operational weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The direct funded acquisition workforce funded in this program element will support all phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development, production and deployment, and operations and support. This funding does not include costs for base operating support civilian personnel. This program element supports both civilian pay and non-pay support requirements.

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

	FY 2024	FY 2025	FY 2026
Title: Acquisition Workforce - Civilian Pay Description: Life Cycle Management Center management headquarters civilian pay. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: The \$0.6621 million reduction FY25 to FY26 is a combination of increased funding for updated average work year costs and a reduction for workforce optimization. The funding supports 33 full-time equivalents.	6.705	6.291	5.960
Title: Acquisition Workforce - Non-Civilian Pay Description: Life Cycle Management Center management headquarters non-civilian pay. FY 2025 Plans: N/A FY 2026 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605898F / Management HQ - R&D	Project (Number/Name) 665898 / Management HQ-R&D		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
N/A				
FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		6.705	6.291	5.960
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					PE 0605976F I Facilities Restoration and Modernization - Test and Evaluation Support							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	116.389	94.828	217.761	0.000	217.761	-	-	-	-	-	-
6606MC: Facility Restoration and Modernization - T&E	0.000	116.389	94.828	217.761	0.000	217.761	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Restoration includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident, or other causes. Modernization includes alteration or replacement of facilities to implement new or higher standards, to accommodate new functions, or to replace aging building components that typically last more than 50 years (such as framework or foundation). Environmental compliance costs, facility leases, and other tasks associated with facilities operations (such as custodial services, grounds services, waste disposal and the provision of central utilities) are not included. Restoration/modernization funds support the following Air Force test organizations and their associated test and evaluation facilities: the 96th Test Wing (TW) at Eglin AFB, FL; the 412TW at Edwards AFB, CA; and the Arnold Engineering and Development Complex (AEDC), to include assets at Arnold AFB, TN, the 704th Test Group (TG) at Holloman AFB, NM, the 704TG Landing Gear Test Facility (LGTF) at Wright-Patterson AFB, OH, the Hypersonic Wind Tunnel 9 at White Oak, MD, and the National Full-Scale Aerodynamics Complex (NFAC) at Moffett Field, CA.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	87.889	94.828	218.485	0.000	218.485
Current President's Budget	116.389	94.828	217.761	0.000	217.761
Total Adjustments	28.500	0.000	-0.724	0.000	-0.724
• 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	28.500	0.000	-0.724	0.000	-0.724

Change Summary Explanation

FY 2026 net increase of \$122.933 million for increased investment in T&E infrastructure and Hypersonics.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605976F <i>I Facilities Restoration and Modernization - Test and Evaluation Support</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Facility restoration and modernization at the 96TW Description: Facility restoration and modernization at the 96TW FY 2025 Plans: - Restoration and Modernization (R&M) efforts across the range complex including repair/replacement of Heating, Ventilation and Air Conditioning (HVAC) and fire protection systems, range tower repair, and roll up door replacement. FY 2026 Plans: - Continue Restoration and Modernization (R&M) efforts across the range complex including repair/replacement of Heating, Ventilation and Air Conditioning (HVAC) and fire protection systems, McKinley Climatic Laboratory and range tower repairs, and planning charrette/design/construction for several failing facilities. FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$0.284 million is due to normal inflation.		22.489	14.261	14.545
Title: Facility restoration and modernization at AEDC Description: Facility restoration and modernization at AEDC FY 2025 Plans: - AEDC restoration and modernization efforts across locations, with increasing emphasis on hypersonic test capabilities, including the following major projects: Test Utility Systems Maintenance, Von Karmon Facility switchgear/breaker replacement, aero propulsion mechanical & electrical repair/modernization, and Pressure and Hazardous Materials Systems (PHMS) evaluation/repair. FY 2026 Plans: - AEDC will continue restoration and modernization efforts across locations, with increased emphasis on hypersonic test capabilities, including major repair and replacement projects supporting the Von Karmon Facility, J6 large rocket motor test facility, Aerodynamic and Propulsion Test Unit (APTU), C-Plant, test utility systems, and various test facilities across Arnold AFB and the 704TG. FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$122.431 million in support of hypersonic test capabilities and normal inflation.		80.400	70.615	193.046
Title: Facility restoration and modernization at 412 TW Description: Facility restoration and modernization at the 412TW		13.500	9.952	10.170

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605976F <i>I Facilities Restoration and Modernization - Test and Evaluation Support</i>						

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p><i>FY 2025 Plans:</i> - Continuation of the upgrade and restoration of T&E facilities. Areas of effort include repair and modernization within the main aircraft maintenance hangar and engineering lab; addressing fire safety deficiencies in multiple test facilities; and accreditation of Heating, Ventilation and Air Conditioning (HVAC) in the Joint Simulation Environment (JSE).</p> <p><i>FY 2026 Plans:</i> - The 412TW will continue to upgrade and restore T&E facilities. Major projects include renovation of the aircraft engine repair shop, fire suppression to support the Ridley Mission Control Center and fuel cell dock, and control room upgrades for the Joint Simulation Environment (JSE).</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Increase of \$0.218 million is due to normal inflation.</p>			
Accomplishments/Planned Programs Subtotals	116.389	94.828	217.761

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.077	-	1,143.077	-	-	-	-	-	-
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	35.065	63.579	92.248	-	92.248	-	-	-	-	-	-
• RDTE 06 0604256F: Threat Simulator Development	16.626	19.927	40.190	0.000	40.190	-	-	-	-	-	-
• RDTE 06 0604759F: Major T&E Investment	31.143	74.228	159.805	-	159.805	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy N/A.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					PE 0605978F I Facilities Sustainment - Test and Evaluation Support							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	56.218	63.579	91.969	0.000	91.969	-	-	-	-	-	-
6606MR: Facility Sustainment-T&E Support	0.000	56.218	63.579	91.969	0.000	91.969	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Sustainment is defined as the maintenance and repair activities necessary to keep facilities in good working order and includes regularly scheduled adjustments and inspections, preventative maintenance tasks, and emergency response and service calls for minor repairs. It also includes major repairs or replacement of facility components (usually accomplished by contract) that are expected to occur periodically throughout the lifecycle of facilities. This work includes regular roof replacement, refinishing of wall and floor surfaces, repairing and replacing of heating and cooling systems, replacing tile and carpeting, and similar types of work. This work also includes inspection and repair of heavy plant machinery, high-power electrical switching gear, hydraulic, lubrication, forced-air and fluid cooling systems, high pressure vessel health monitoring, facility control and remote monitoring systems, liquid oxygen systems, steam systems, test instrumentation, and fire detection and suppression systems. Environmental compliance costs, facility leases, or other tasks associated with facilities operations (such as custodial services, grounds services, waste disposal, and the provision of central utilities) are not included. Sustainment funds support the following Air Force organizations and their associated test and evaluation facilities: the 96th Test Wing (TW) at Eglin AFB, FL; the 412 TW at Edwards AFB, CA; the Arnold Engineering and Development Complex (AEDC), to include assets at Arnold AFB, TN, the 704th Test Group (704TG) at Holloman AFB, NM, the 704TG Landing Gear Test Facility (LGTf) at Wright-Patterson AFB, OH, the Hypersonic Wind Tunnel 9 at White Oak, MD, and the National Full-Scale Aerodynamics Complex (NFAC) at Moffett Field, CA.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	35.065	63.579	92.273	0.000	92.273
Current President's Budget	56.218	63.579	91.969	0.000	91.969
Total Adjustments	21.153	0.000	-0.304	0.000	-0.304
• 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	21.153	0.000	-0.304	0.000	-0.304

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605978F / <i>Facilities Sustainment - Test and Evaluation Support</i>	
<u>Change Summary Explanation</u> FY 2026 increase of \$28.390 million due to increased investment in T&E infrastructure and Hypersonics, and an AFIMSC transfer to properly align test and evaluation sustainment dollars from 3400 to 3600.		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605978F / Facilities Sustainment - Test and Evaluation Support				Project (Number/Name) 6606MR / Facility Sustainment-T&E Support			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
6606MR: Facility Sustainment-T&E Support	0.000	56.218	63.579	91.969	0.000	91.969	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Sustainment is defined as the maintenance and repair activities necessary to keep facilities in good working order and includes regularly scheduled adjustments and inspections, preventative maintenance tasks, and emergency response and service calls for minor repairs. It also includes major repairs or replacement of facility components (usually accomplished by contract) that are expected to occur periodically throughout the lifecycle of facilities. This work includes regular roof replacement, refinishing of wall and floor surfaces, repairing and replacing of heating and cooling systems, repairing tile, carpeting, and similar types of work. This work also includes inspection and repair of heavy plant machinery, high-power electrical switching gear, hydraulic, lubrication, forced-air and fluid cooling systems, high pressure vessel health monitoring, facility control and remote monitoring systems, liquid oxygen systems, steam systems, test instrumentation, and fire detection and suppression systems. Environmental compliance costs, facility leases, or other tasks associated with facilities operations (such as custodial services grounds services, waste disposal, and the provision of central utilities) are not included. Sustainment funds support the following Air Force organizations and their associated test and evaluation facilities: the 96th Test Wing (TW) at Eglin AFB, FL; the 412TW at Edwards AFB, CA; Arnold Engineering and Development Complex (AEDC), to include assets at Arnold AFB, TN, the 704th Test Group (704TG) at Holloman AFB, NM, the 704TG Landing Gear Test Facility (LGTF) at Wright-Patterson AFB, OH, the Hypersonic Wind Tunnel 9 at White Oak, MD, and the National Full-Scale Aerodynamics Complex (NFAC) at Moffett Field, CA.

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

	FY 2024	FY 2025	FY 2026
Title: Facility sustainment at the 96TW	3.195	3.931	5.513
Description: Facility sustainment at the 96TW			
FY 2025 Plans: - The 96TW work through Direct Scheduled Work Orders (DSWs) within the test infrastructure; major projects include Heating, Ventilation and Air Conditioning (HVAC) and electrical upgrades in armament range test facilities.			
FY 2026 Plans: - The 96TW will continue to perform maintenance and repair work to support test facilities and improve building condition, completing corrosion control on various facilities.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$1.582 million due to real property appropriation corrections			
Title: Facility sustainment at the AEDC	33.315	38.986	53.612

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605978F / Facilities Sustainment - Test and Evaluation Support	Project (Number/Name) 6606MR / Facility Sustainment-T&E Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Facility sustainment at the AEDC</p> <p>FY 2025 Plans: - AEDC performs calendar-based scheduled preventative maintenance. Sustainment projects include maintenance and repair work to support ground test facilities, including the National Radar Cross Section Test Facility (NRTF), Landing Gear Test Facility (LGTF), Large Rocket Motor Test Facility (J-6), space chambers, arc-heated test facilities, and continuation test utility maintenance.</p> <p>FY 2026 Plans: - AEDC will continue to perform calendar-based scheduled preventative maintenance on Engine Test Facilities and associated engine test cells, Propulsion Wind Tunnel (PWT) and associated wind tunnels, Von Karman Facility (VKF) Plant Core and associated test cells, arc heaters, rocket test facility, space chambers, and hypersonic engine test facilities, along with associated infrastructure that supports all test operations.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$14.626 million in support of hypersonic test capabilities and real property corrections.</p>				
<p>Title: Facility sustainment at the 412TW</p> <p>Description: Facility sustainment at the 412TW</p> <p>FY 2025 Plans: - The 412TW sustains the test infrastructure on Edwards AFB, CA. Major projects include Corrosion Control facility repair, Heating, Ventilation and Air Conditioning (HVAC) repair/replacement for multiple test facilities, propulsion test facility roof replacement, aircraft hangar maintenance, and annual service contracts.</p> <p>FY 2026 Plans: - The 412TW will continue to perform maintenance and repair work to support test facilities and improve building condition. Major projects include HVAC repair within the main aircraft maintenance hangar, F-22 compound, and Test Pilot School; electrical and lighting system component repair at Ridley Mission Control, Weight and Balance hangar, and Benefield Anechoic Facility.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$12.182 million due to real property appropriation corrections.</p>		19.708	20.662	32.844
Accomplishments/Planned Programs Subtotals		56.218	63.579	91.969

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 6				R-1 Program Element (Number/Name) PE 0605978F / Facilities Sustainment - Test and Evaluation Support				Project (Number/Name) 6606MR / Facility Sustainment-T&E Support			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 0606398F: Management HQ - T&E	7.453	7.647	8.304	-	8.304	-	-	-	-	-	-
• RDTE 06 0605807F: Test and Evaluation Support	913.213	936.913	1,143.077	-	1,143.077	-	-	-	-	-	-
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	87.889	94.828	218.425	-	218.425	-	-	-	-	-	-
• RDTE 06 0604256F: Threat Simulator Development	16.626	19.927	40.190	-	40.190	-	-	-	-	-	-
• RDTE 06 0604759F: Major T&E Investment	31.143	74.228	159.805	-	159.805	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
N/A											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0606017F <i>I Requirements Analysis and Maturation</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	114.631	31.450	28.157	0.000	28.157	-	-	-	-	-	-
666157: <i>Development Planning</i>	0.000	35.565	14.425	11.098	0.000	11.098	-	-	-	-	-	-
666158: <i>INTEGRATED SIMULATION AND ANALYSIS</i>	0.000	79.066	17.025	17.059	0.000	17.059	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Capability development provides the analytic, technical, and programmatic rigor necessary to address capability gaps and opportunities to refine and mature future programs of record, prioritizing and accelerating transition of capabilities in collaboration with operational stakeholders. The Capability Development Enterprise is focused on maturing and transitioning high-impact warfighting capabilities aligned to Air Force Future Force Design through robust capability development.

The Requirements Analysis and Maturation (RAM) program element funds Modeling, Simulation and Analysis, USAF Science and Technology (S&T) attribute refinement, and trade space studies in support of the Capability Development Enterprise to achieve the force design. Mission Engineering (ME) is the cornerstone for documenting Air Force Future Force Design and prioritizing capability development activities and recommendations. These efforts focus on Development Planning of operationally relevant capabilities, emerging technologies, and disruptive capability applications. Modern integrated digital environments are used in rendering problem decomposition, technology-focused requirements analysis, capability decomposition, trade space characterization, technology-enabled concept development, architecture design for technology integration, cost implications and assessments, model validation, analytical tool development, and focused technology risk characterization. Studies by Federally Funded Research and Development Centers (FFRDC) and University Affiliated Research Center (UARC) may augment this analysis when specific knowledge areas or technical understanding is required. Engagements with industry and academia may involve contracted analysis or requests for information at appropriate security levels. Outcomes of RAM are capability development characterization data that is used for acquisition planning of technically feasible and operationally relevant system to realize the Air Force Future Force Design.

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 civilian pay expenses required to manage, execute, and deliver RAM capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, 0605898F, 0606398F.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>
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B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	89.956	41.550	31.839	0.000	31.839
Current President's Budget	114.631	31.450	28.157	0.000	28.157
Total Adjustments	24.675	-10.100	-3.682	0.000	-3.682
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-10.100			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	21.500	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	3.175	0.000	-3.682	0.000	-3.682

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 666157: *Development Planning*

Congressional Add: *Program increase - enterprise digital transformation with commercial physics simulation and Global Strike Command technology transition and innovation*

Congressional Add Subtotals for Project: 666157

Congressional Add Totals for all Projects

FY 2024	FY 2025
21.500	0.000
21.500	0.000
21.500	0.000

Change Summary Explanation

In FY 2024, decrease of \$3.175 million in Other Adjustments to align programming to actual execution.

In FY 2025, budget request was reduced by \$10.100 million for "unjustified" request. This funding was to support Joint Simulation Environment.

The FY 2026 request was reduced by \$0.039 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

The FY 2026 request was reduced by \$2.790 million 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."

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0606017F / Requirements Analysis and Maturation				Project (Number/Name) 666157 / Development Planning			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
666157: Development Planning	0.000	35.565	14.425	11.098	0.000	11.098	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Development Planning (DP) funds activities to analyze the Force Design in support of the Capability Development Enterprise. DP conducts coordinated Mission Engineering and Analysis to identify and refine key capability trades, technology needs, and cost and schedule implications. Emphasis is placed on developing options that address force design gaps by analyzing multi-domain capabilities and evaluating Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities-Planning (DOTMLPF-P) concepts. This analysis informs trade space of candidate concepts, ensuring required attributes are met. The outcome of this effort will be tradespace attributes and mission engineering artifacts which will underpin Capability Development decisions. These funds may be used for program management support costs, but not limited to hardware, software, travel, contractor support, civilian pay, supplies, facilities, and infrastructure.												
This program element may include necessary civilian pay expenses required to manage, execute, and deliver RAM capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, 0605898F, 0606398F. Projected civilian pay expenses are anticipated to be 5.833 million in FY2025 and 6.416 million in FY2026 for this program element.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Future Capability Analyses									8.049	10.925	8.098	
Description: Builds Capability Development Roadmaps via integrated Mission Threads tied to Air Force Future Force Design and Theory of Victory. Modern digital engineering tools and methodologies (mission engineering and mission integration) are used to provide potential solution sets for further investigation, risk reduction, or more detailed analysis. The entire span of DOTMLPF-P is examined to codify the need for a materiel solution.												
Conducts gap and solution analyses prioritized by Integrated Capabilities Command (ICC) to understand programs of record and refine attributes of candidate concept capabilities in a multi-level security environment that spans multiple domains.												
Delivers prioritized demand signal to technology developers and industry stakeholders to align modernization initiatives and guide capability alternative trade space based on mission decomposition and corresponding engagement, mission and campaign analyses.												
These activities are in alignment with Digital Materiel Management (DMM) strategic guidance and performed in an Integrated Digital Environment where available.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>	Project (Number/Name) 666157 / <i>Development Planning</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p><i>FY 2025 Plans:</i></p> <ul style="list-style-type: none"> - Maintain current and future Force design and threat in model scenarios used for analysis. - Assess ICC demand signal attribute trade space against current and future threat incorporating existing and future capability mixes to derive sensitivity analyses to understand the candidate concepts in the total joint and collation force structure view. - Conduct assessments in attribute trade space to codify minimum attribute sets and inform Candidate Concept Development, potential Concept of Operations (CONOPS) and inform force design. - Document DOTMLPF-P analysis in support of candidate concept development and capture the non-materiel impact on the USAF as the result of a candidate concept. - Engage with FFRDC, UARC, industry and non-traditional vendors to document state of the practice, state of the art, and the technically possible/feasible for various problem statements and solution sets. - Develop early capability concepts and early Concepts of Employment (CONEMPs) consistent with relevant missions, scenarios, and time epochs in support of the force design. - Current examples are: Counter-Small Unmanned Aircraft Systems (C-sUAS), High-Value Airborne Asset (HVAA) Protect, and other classified capability analysis topics. <p><i>FY 2026 Plans:</i></p> <ul style="list-style-type: none"> - Continue to maintain current and future force design and threat in scenarios that are used for analysis. - Develop new mission engineering threads for decomposition and analysis and expand upon existing threads to capture force design trends and trade space. - Continue analysis aligned to ICC demand signal, capability-based gap identification and the scope of DOTMLPF-P in candidate design development to support acquisition decision development. - Derive capability gaps from operational mission definitions, CONOPS and CONEMPs, estimates inventory, then assess commercial and developmental technical solution sets in a multi-level security environment across domains. - Continue collaboration across the joint force, Services and agencies in the analysis of candidate concepts. 			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>	Project (Number/Name) 666157 / <i>Development Planning</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>- Continue collaboration with FFRDC, UARC, industry and non-traditional vendors to document state of the practice, state of the art, and the technically possible/feasible for various problem statements and solution sets. Examples include Electronic Warfare analyses.</p> <p>- Efforts prioritized by ICC and Capability Development Executive Officer (CDEO). Examples include Autonomous Collaborative Platform Strategy, Weapons Portfolio Mix, and Counter C-C5ISR.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decreased compared to FY 2025 by \$2.827 million due to programmatic adjustments within the Capability Development portfolio. This reduction reflects a strategic realignment to optimize priority capability areas and improve resource efficiency.</p>			
<p>Title: Concept Evaluation</p> <p>Description: Refine and codify candidate concepts anchored on desired force design attributes, analysis data, available technologies and key assumptions. This includes documentation of military utility with envisioned CONOPS and CONEMPs. Validation of materiel and non-materiel capability attributes through rigorous problem decomposition, engagement with ICC, industry, FFRDC, UARC, industry and non-traditional vendors is captured. The "ilities" of a candidate concept (i.e. lethality, suitability, reliability, maintainability, survivability, sufficiency, capacity and other life cycle management attributes) are captured and used to create the cost basis, cost estimates and identify critical dependencies and interactions among capability concept elements and distinguish developmental capability concept elements from materiel and non-materiel elements currently available. Draft technical performance measures and other metrics to define progress and success of development activities would be created linked to an attribute correlation table, mapping attributes to solution sets. A comprehensive search is conducted across a broad technology base, encompassing commercial industry, the Air Force Research Laboratory (AFRL), the Defense Advanced Research Projects Agency (DARPA), and other partner Services and Agencies, to identify existing and emerging technologies that can be applied to candidate system concepts.</p> <p>FY 2025 Plans:</p> <p>- Develop capability concepts with ICC, FFRDC, UARC, Industry (including non-traditional vendors), and appropriate partners and stakeholders, that address desired attribute sets.</p> <p>- Propose, refine and integrate high-level mission concepts as necessary for decision support for long-lead technology, and emerging capabilities for concept evaluation.</p> <p>- Validate candidate CONOPS and CONEMPs in a Digital Environment.</p>		6.016	3.500
			3.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>	Project (Number/Name) 666157 / <i>Development Planning</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<ul style="list-style-type: none"> - Document analysis and findings of early ""ilities" of a candidate concept (i.e. lethality, suitability, reliability, maintainability, survivability, sufficiency, capacity and other life cycle management attributes). - Identify and document key assumptions, dependencies, inter-dependencies of capability concepts. - Identify, facilitate, and execute key mission, capability, technology, and threat analyses. - Propose government reference architecture incorporation and other open system attributes as needed in collaboration with existing program offices. <p>FY 2026 Plans:</p> <ul style="list-style-type: none"> - Continue to develop and refine future concepts of employment and associated candidate concepts to address minimum attribute sets identified through time or driven by threat updates for concept evaluation. - With ICC, industry, FFRDC, UARC, industry (non-traditional vendors), and appropriate partners, and stakeholders, identify promising emerging technologies for investment or tailoring. - Leverage market research and industry engagement aligned to ICC demand signal and force design guidance. - Continue to develop relationships with the joint force, Services and agencies to understand how candidate concepts fit into the larger force through mission integration and mission engineering. - Efforts prioritized by ICC and CDEO. <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decreased compared to FY 2025 by \$0.500 million due to programmatic adjustments within the Capability Development portfolio. This reduction reflects a strategic realignment to optimize priority capability areas and improve resource efficiency.</p>			
Accomplishments/Planned Programs Subtotals		14.065	14.425
		FY 2024	FY 2025
Congressional Add: Program increase - enterprise digital transformation with commercial physics simulation and Global Strike Command technology transition and innovation		21.500	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025								
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / Requirements Analysis and Maturation	Project (Number/Name) 666157 / Development Planning								
		<table><tr><th>FY 2024</th><th>FY 2025</th></tr><tr><td colspan="2">FY 2024 Accomplishments: Accomplishments will be updated next cycle as funds have not been received yet.</td></tr><tr><td colspan="2">FY 2025 Plans: NA</td></tr><tr><td>Congressional Adds Subtotals</td><td>21.500 0.000</td></tr></table>	FY 2024	FY 2025	FY 2024 Accomplishments: Accomplishments will be updated next cycle as funds have not been received yet.		FY 2025 Plans: NA		Congressional Adds Subtotals	21.500 0.000
FY 2024	FY 2025									
FY 2024 Accomplishments: Accomplishments will be updated next cycle as funds have not been received yet.										
FY 2025 Plans: NA										
Congressional Adds Subtotals	21.500 0.000									
C. Other Program Funding Summary (\$ in Millions) N/A										
Remarks										
D. Acquisition Strategy Acquisition strategies will be customized for each Concept Evaluation and Development Planning project, ensuring alignment with specific Air Force priorities.										

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0606017F / Requirements Analysis and Maturation				Project (Number/Name) 666158 / INTEGRATED SIMULATION AND ANALYSIS			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
666158: INTEGRATED SIMULATION AND ANALYSIS	0.000	79.066	17.025	17.059	0.000	17.059	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Integrated Simulation and Analysis project funds activities that develop and support integrated analysis and digital engineering tools for the Capability Development Enterprise. In addition, the project develops tools and methodologies to support required analysis and studies; this produces system performance representations/ models, environments, architectures, digital artifacts, data, and tools that underpin variable fidelity, stand-alone, interactive, and distributed simulations. The project incorporates Mission Engineering and Digital Engineering enterprise tools and methods (i.e. Model-Based Systems Engineering [MBSE], Modeling Simulation and Analysis [MS&A] ecosystem) as the technical and digital underpinning for the simulation models/ behaviors; it develops and maintains digital records for future analytical needs and serves as a template to identify, road map, and enable the Modeling and Simulation- centric portions of the acquisition life cycle and of operational missions. The project may fund IT and licenses to execute modern Mission Engineering and Digital Engineering. The project initiates and leverages studies performed by industry, academia, FFRDCs and UARCs that may be required to develop and create technology representative models and data.

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

	FY 2024	FY 2025	FY 2026
Title: Modeling, Simulation, Analysis, and Experimentation Ecosystem	17.900	17.025	17.059
Description: Develop enterprise capable, cross-domain system-of-systems modeling, simulation, and analysis capabilities to support development planning, capabilities assessment, and acquisition decisions.			
FY 2025 Plans: <ul style="list-style-type: none"> - Scale, evolve and operationalize the design template for the broader Department of the Air Force (DAF) M&S enterprise ecosystem while transitioning from an environment under test to production development environment. - Continue to drive M&S community toward integration with DMM and DE community through investment in tools and network infrastructure that integrate M&S with DMM and DE. - Continued integration of United States Space Force M&S capabilities into the ecosystem supporting both system and broad system-of-system, multi-domain level capability development concepts, pre-systems planning, and other relevant strategic development planning activities. 			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>	Project (Number/Name) 666158 / <i>INTEGRATED SIMULATION AND ANALYSIS</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>- Provide users a common interface across different compute types (local, High-Performance Computer, Cloud Computer) and security levels (CUI through TS//SCI//SAR) with integrated tie to DMM ecosystems for activities such as data and Authoritative Source of Truth integration.</p> <p>- Continue to enhance tools and enable M&S empowered wargaming, support secure data management and sharing, maintain a skilled cadre of analysts, and develop advanced analytical methods required for tailored fidelity of battlespace environments.</p> <p>- Continue to make available and enhance composable models and common frameworks that can be used to support robust development planning and experimentation for DAF leadership.</p> <p>- This activity will be leveraged to scale up for the broader DAF level M&S enterprise and identify M&S synergies for reusability, commonality, and interoperability between analytic, experimentation, test, training, and planning activities in support of enterprise infrastructure.</p> <p>FY 2026 Plans:</p> <p>- Continue to develop, enhance, and proliferate enterprise M&S capabilities on behalf of the USAF and DAF (and Joint M&S community through tool interoperability and reusability).</p> <p>- Continue to implement the broader Department of the Air Force Modeling and Simulation Gateway (DAF M&S Gateway) and DAF integrated development environment Morpheus while providing a production development environment with stable RDT&E investment to continually enhance capabilities.</p> <p>- Continue development of DAF M&S Gateway and Morpheus across different compute types (local, High-Performance Computer, Cloud Computer) and security levels (CUI through TS//SCI//SAR) with integrated ties to DMM ecosystems for activities such as data and Authoritative Source of Truth integration.</p> <p>- Continue to invest in development planning for M&S activities driven by DAF M&S Senior Steering Committee and DAF M&S Council.</p> <p>- Continue to enhance tools and enable M&S empowered wargaming, support secure data management and sharing, maintain a skilled cadre of analysts, and develop advanced analytical methods required for tailored fidelity of battlespace environments.</p> <p>- Investigate integration of Morpheus with DAF M&S Gateway and LaunchPad linking DMM and DE community through investment in tools and network infrastructure that integrate M&S with DMM and DE.</p>			
			FY 2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / Requirements Analysis and Maturation	Project (Number/Name) 666158 / INTEGRATED SIMULATION AND ANALYSIS		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>- Continue to integrate M&S capabilities with data analysis and processing capabilities provided by Department of the Air Force Studies and Analysis (SAF/SA) and the Chief Data and Artificial Intelligence Office (SAF/CN).</p> <p>- Continued integration of United States Space Force and Joint M&S capabilities into the Gateway and Morpheus supporting both system and broad system-of-systems, multi-domain level capability development concepts, pre-systems planning, and other relevant strategic development planning activities that enhance the USAF's ability to execute multi-domain operations.</p> <p>- Continue to make available and enhance composable models and common frameworks that can be used to support robust development planning and experimentation for DAF leadership.</p> <p>- This activity will be leveraged to scale up for the broader DAF level Modeling and Simulation enterprise and identify M&S synergies for reusability, commonality, and interoperability between analytic, experimentation, test, training, and planning activities in support of enterprise infrastructure.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 increased compared to FY 2025 by \$0.034 million due to inflation.</p>				
<p>Title: Joint Simulation Environment (JSE)</p> <p>Description: Develops a government-owned and operated modeling and simulation capability that enables multi-platform, multi-domain integration and interoperability. This capability is required to support developmental and operational testing, tactics development, and advanced training for 5th-generation platforms and other future capabilities that are critical for force development.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>		56.666	0.000	0.000
<p>Title: Simulation and Analysis Facility Support</p>		4.500	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0606017F / <i>Requirements Analysis and Maturation</i>	Project (Number/Name) 666158 / <i>INTEGRATED SIMULATION AND ANALYSIS</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: Develops high-fidelity, live-virtual-constructive modeling, simulation, and analysis capability to evaluate warfighting capabilities, strategies, concepts of operation, tactics, emerging technologies, and human system interfaces to support and enable acquisition, test, and training.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>			
Accomplishments/Planned Programs Subtotals		79.066	17.025
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Acquisition strategies will be customized for each Modeling, Simulation, Analysis, and Experimentation Ecosystem project, ensuring alignment with specific Air Force priorities.			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0606398F / <i>Management HQ - T&E</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	7.748	7.647	7.417	0.000	7.417	-	-	-	-	-	-
6606TS: <i>Test and Evaluation Support</i>	0.000	7.748	7.647	7.417	0.000	7.417	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element funds civilian salaries of Air Force Test Center (AFTC) management headquarters personnel who lead, guide and direct the operation of AFTC test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	7.453	7.647	7.788	0.000	7.788
Current President's Budget	7.748	7.647	7.417	0.000	7.417
Total Adjustments	0.295	0.000	-0.371	0.000	-0.371
• 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	0.295	0.000	-0.371	0.000	-0.371

Change Summary Explanation

FY 2026 net decrease of \$.230 million due to civilian reprice, workforce reductions, and civilian pay assumptions.

The FY 2026 request was reduced by \$0.772 million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Title: Air Force Test Center Civilian Pay	7.748	7.647	7.417

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0606398F I <i>Management HQ - T&E</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: Air Force Test Center (AFTC) management headquarters civilian pay				
FY 2025 Plans: Fund AFTC management headquarters civilian pay.				
FY 2026 Plans: Continue to fund management headquarters civilian pay.				
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$.230 million due to civilian reprice, workforce reductions, and civilian pay assumptions.				
Accomplishments/Planned Programs Subtotals		7.748	7.647	7.417
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0208201F <i>I Offensive small Unmanned Aircraft Systems (sUAS)</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	4.985	0.000	4.985	-	-	-	-	-	-
660192: <i>St System Developement</i>	0.000	0.000	0.000	4.985	0.000	4.985	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 6, PE 0208201F, project 660192, Offensive sUAS, is a new start.

A. Mission Description and Budget Item Justification

(U) The Offensive sUAS (O-sUAS) effort identifies requirements addressing capability gaps in the AF ability to rapidly generate a family of sUAS capable of executing Intelligence, Surveillance, and Reconnaissance (ISR), Electronic Warfare, and precision strike in permissive, contested, and denied environments.

Funding supports operationalizing the AF UAS Strategy and force-present emerging systems, including exquisite, attributable, and expendable platforms, for collaborative operations within permissive, contested, and denied environments.

O-sUAS 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.

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 2025 0.000 million was expended for civilian pay expenses in this program element, and in FY 2026 0.276 million is forecast for civilian pay expenses in this program element.

Items requested in FY26 are representative but not limited to the system development and program support. 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.

O-sUAS funding also supports innovation activities to include studies, analyses, requirements definition, intelligence and data management activities, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force					Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support			R-1 Program Element (Number/Name) PE 0208201F I Offensive small Unmanned Aircraft Systems (sUAS)		

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	4.985	0.000	4.985
Total Adjustments	0.000	0.000	4.985	0.000	4.985
• 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	4.985	0.000	4.985

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Title: Offensive sUAS Description: Funding supports operationalizing the AF UAS Strategy and force-present emerging systems, including exquisite, attritable, and expendable platforms, for collaborative operations within permissive, contested, and denied environments. FY 2026 Plans: Begin planning activities, Request for Proposal release, contract award, and other program support cost. After award, begin agile software development to integrate aircraft configurations with a Offensive sUAS. FY 2025 to FY 2026 Increase/Decrease Statement: FY26 New Start	-	-	4.985
Accomplishments/Planned Programs Subtotals	-	-	4.985

D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy The plan is to use a Middle Tier Acquisition (MTA) pathway to meet the requirements outlined in the Rapid Prototyping Requirements Document.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	45.725	39.607	15.662	0.000	15.662	-	-	-	-	-	-
664620: NC3 Enterprise Center	0.000	45.725	39.607	15.662	0.000	15.662	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 6, PE 0303255F, project 664620, Classified, is a new start.

USSTRATCOM received a 10.0 million dollar Congressional add to establish and maintain a collaborative network capability in support of the NC3 Enterprise Center (NEC) Research Engineering and Architecture Collaboration Hub (REACH) in FY 2024, and in FY 2025.

USSTRATCOM received a 15.0 million dollar Congressional add in FY 2024, and a 10.0 million dollar Congressional add in FY 2025 to conduct an NC3 network sensor demonstration.

A. Mission Description and Budget Item Justification

Secretary of Defense tasked USSTRATCOM Nuclear Command, Control and Communications (NC3) Enterprise Center (NEC) to oversee and monitor operations and security of the enterprise, develop tools to assist in monitoring the readiness of the NC3 architecture, and capture the operational risks as adversaries develop the ability to disrupt our capabilities from multiple threat vectors. This effort will fund enterprise operations, requirements, systems engineering and assessment activities. The NEC will capture and integrate process and system data to assess operational risk, characterize multi-domain threats, and explore operational trade space associated with next generation NC3 architectures. The NEC will work with the Services to explore new technologies and develop innovative solutions in a virtual environment, and capture metrics that identify system problems and readiness issues before they impact operations. The NEC will also develop digital engineering capabilities to support governance responsibilities of NC3.

The USSTRATCOM Strategic Mission Research and Development is an effort to tackle the hard Scientific and Technological (S&T) problems USSTRATCOM and DoD face in today's environment. Leveraging built-in tools and DoD/DHS data to anticipate and quickly analyze and assess national, strategic, and operational impacts/risks associated with the loss or disruption of critical systems, assets and infrastructure to help with USSTRATCOM Unified Command Plan (UCP) assigned mission sets. Current information together with logical links-nodes dependency views directly support mitigation COA development. This USSTRATCOM S&T initiative includes the three earliest stages of Department of Defense (DoD) RDT&E, including basic research, applied research, and advanced technology development.

The FY 2026 request was reduced by [5.408] 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM				
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, 0605898F, 0606398F. In FY 2024 00.725M was expended for civilian pay expenses in this program element, and in FY 2025 00.000M is forecasted for civilian pay expenses in this program element.						
This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		20.871	19.607	19.971	0.000	19.971
Current President's Budget		45.725	39.607	15.662	0.000	15.662
Total Adjustments		24.854	20.000	-4.309	0.000	-4.309
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		25.000	20.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		-0.146	0.000	-4.309	0.000	-4.309
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2024		FY 2025
Project: 664620: NC3 Enterprise Center						
Congressional Add: NC3 Enterprise Center REACH				10.000		10.000
Congressional Add: NC3 Network Sensor Demonstration				15.000		10.000
Congressional Add Subtotals for Project: 664620				25.000		20.000
Congressional Add Totals for all Projects				25.000		20.000
Change Summary Explanation						
FY2024: Congressional add 25.0M (NC3 network sensor demonstration Add 15.0M) / NC3 Rapid Engineering Architecture Collaboration Hub (REACH Add 10.0M)						
FY2025: Congressional add 20.0M (NC3 network sensor demonstration Add 10.0M) / NC3 Rapid Engineering Architecture Collaboration Hub (REACH Add 10.0M)						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM		
FY2026: No Congressional marks are included at this time. USSTRATCOM FY2026 Base decrease due to AF program reductions, A&AS services reductions, and FFRDC reductions.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: NC3 Systems Engineering and Assessments Description: Maintain NC3 Systems Engineering and Assessment Capability FY 2025 Plans: Continue NC3 Enterprise Operation Assessment Program - examine assets and procedures to provide end-to-end connectivity from warning sensors to national decision makers to executing forces through the National Military Command System (NMCS). -Continue to update the NC3 Roadmap and develop NC3 reference architecture and technical architecture patterns to guide future solution architecture development. -Continue to conduct mission engineering and trade space analysis to inform enterprise-level investments and assist with modernization of NC3 systems to include command centers. -Continue to develop enterprise level interoperability standards and plans, and provide engineering support for interoperability standard implementation to evolve the NC3 systems. FY 2026 Plans: Cost Savings are reflected based on USSTRATCOM's impact from the PDM I reductions in OSD Service Contracts and FFRDC reductions. Reductions may adversely affect the NC3 efforts identified in the below FY26 Base Plan. -Continue to update the NC3 Roadmap, capture and develop NC3 Operational and Implementation baseline architecture in a Systems Modeling Language (SYSML) model, and expand physics-based models to support analysis, studies, and development of future NC3 systems. -Continue to conduct mission engineering and trade space analysis to inform enterprise-level investments and assist with modernization of NC3 systems to include command centers. -Continue NC3 Enterprise Operational Assessment Program; examine assets and procedures to provide end-to-end connectivity from warning sensors to national decision makers to executing forces through the National Military Command System (NMCS). FY 2025 to FY 2026 Increase/Decrease Statement: Budget decrease from FY2025 to FY2026 is attributed to marks/decreases due to AF program reductions, A&AS services reductions, and FFRDC reductions. There has not been any congressional marks included at this time.		19.677	18.534	10.566
Title: Classified Description: Distributed Command and Control		-	0.000	4.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: N/A FY 2026 Plans: Supports the Distributed Command and Control System at USSTRATCOM Headquarters and remote locations. Distributed Command and Control is a classified effort and will be provided on a need to know basis. For further information please contact the Strategic C2 Systems Branch (SAF/AQID) at (202) 404-3405. This is in cooperation with DISA and OSD Policy. FY 2025 to FY 2026 Increase/Decrease Statement: 2026 New start to accomplish changes to Classified programs directed elsewhere.				
Title: Strategic Mission Research and Development Effort Description: Supports the USSTRATCOM assigned UCP missions -NC3 Watch Floor (Global Operations Center), DoD Defense Critical Infrastructure Program (DCIP) and the Mission Assurance Risk Management System (MARMS). -Joint Staff (JS) designated repository for defense critical infrastructure data (assets/systems) used in MARMS federation. -Mission assurance analysis tool for the Residual Capabilities Assessment (RECA)/Mission Assurance Operations (MAO) ISO of the USSTRATCOM Battle Watch Commander (BWC) at USSTRATCOM and deployed locations. -Provides asset/system analysis, dependency, risks/vulnerabilities, mitigation and impacts of natural/man-made events. -Supports other NC3 Command Centers (airborne/mobile/back-up) with S&T initiatives. FY 2025 Plans: -Create new applications for Strategic Mission Research and Development S&T objectives -Tactical initial efforts for JEMSO S&T -Begin to develop Artificial Intelligence/Machine Learning (AI/ML) solutions for targeting FY 2026 Plans: -Create and promote applications for Strategic Mission Research and Development S&T objectives -Support tactical efforts for JEMSO S&T -The development of Artificial Intelligence/Machine Learning (AI/ML) solutions for targeting FY 2025 to FY 2026 Increase/Decrease Statement: Budget increase from FY2025 to FY2026 is attributed to inflation.		1.048	1.073	1.096
Accomplishments/Planned Programs Subtotals		20.725	19.607	15.662

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0303255F <i>I Command, Control, Communication, and Computers (C4) - STRATCOM</i>	
		FY 2024	FY 2025
Congressional Add: NC3 Enterprise Center REACH FY 2024 Accomplishments: 10M FY2024 RDT&E funds supports the effort to authorize the REACH collaborative network, provide ongoing support for experimentation and demonstration activities at the REACH facility, and establishes a new Federal Acquisition Regulation(FAR)-based contract vehicle expanding capability for instrumentation as well as large business and government collaboration. The REACH facility supported more than 65 events and 4,100 personnel from across USSTRATCOM J-Dirs (NEC, JEC, J2/3/5/6/7/8), Navy, Air Force, and Intelligence Community partners, etc. FY 2025 Plans: 10M FY2025 RDT&E funds support Partnership Intermediary Agreement (PIA) operations to include design and build of REACH collaborative networks and IT infrastructure such as RAPID-MLS. Develop and execute proof of concept applying modeling, simulation, and analysis in support of NC3 modernization and technology transfer. Inform future architectures and NC3 modernization through technology evaluation, assessment, demonstration, experimentation, prototyping, or development in a secure environment in support of NC3 REACH CONOPS objectives.		10.000	10.000
Congressional Add: NC3 Network Sensor Demonstration FY 2024 Accomplishments: The Cyber instrumentation Pilot (CIP) has achieved operational status, collecting network information, conducting analysis and using Green team capabilities IAW established Measures of Performance and Effectiveness. Operators are conducting training, resolving high risk cyber findings and developing Tactics, Techniques, and Procedures to be used in daily operations, analysis of toolkit alerts and incident responses. Operators are collaborating with site industrial control system defenders and an Air Force Cyber Protection Team to conduct search and examination of cyber finding on critical water, gas and electrical systems. A training program to educate local defenders on use, critical capabilities of the toolkit was deployed in September 2024. Initial positive results stemming from a CIP/US Navy collaborative effort laid the ground work for the US Navy's pursuit of an official Program of Record by FY27. Information gathered from these systems/enterprises will support NSA, DTRA, DoD CIO, Joint Staff, US Navy and Air Force cyber initiatives. FY 2025 Plans: 10M FY2025 RDT&E funds support system instrumentation, cybersecurity monitoring, analytics, reporting, training, and Cyber Team Assessments as part of Cyber Instrumentation Pilot and/or Sensing and Monitoring. Explore AI/ML, cloud, zero trust architecture, and digital engineering applications for Cyber Instrumentation Pilot and/or Sensing and Monitoring. Design, procure, build, configure, test, evaluate, install, monitor, and assess networks and systems in support of Cyber Instrumentation Pilot and/or Sensing and		15.000	10.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM						
										FY 2024	FY 2025
Monitoring. Support supply chain verification, root cause analysis, and related security program objectives in support of Cyber Instrumentation Pilot and/or Sensing and Monitoring.											
Congressional Adds Subtotals										25.000	20.000
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• OPAF 03 0303255F: STRATCOM C4	4.436	4.797	4.898	-	4.898	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
The NC3 Enterprise Center (NEC) under USSTRATCOM will lead the Digital Engineering effort and will utilize existing contracts to purchase equipment and software, in particular, requesting and funding additional capability development from on-going Service software efforts to model NC3 activities.											
Projects funded through USSTRATCOM's Strategic Mission Research and Development will be awarded using competitive contracts to the maximum extent possible.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0308602F I ENTEPRISE INFORMATION SERVICES (EIS)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	96.912	104.133	101.779	0.000	101.779	-	-	-	-	-	-
6622P1: Platform One	0.000	88.575	94.895	95.380	0.000	95.380	-	-	-	-	-	-
66ACS1: R&D Change Management	0.000	8.337	0.000	0.000	0.000	0.000	-	-	-	-	-	-
66ACSI: Acquisition and Command Support Integration	0.000	0.000	9.238	6.399	0.000	6.399	-	-	-	-	-	-
Note												
In FY 2024, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 6622P1, Platform One in order to provide better visibility into the funding delineation between the two programs in the PE.												
In FY 2025, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 66ACSI, Acquisition and Command Support Integration to correct a database error.												
A. Mission Description and Budget Item Justification												
Enterprise Information Services (EIS) is a portfolio of integrated programs/technologies/services that enables and sustains Air Force Information Management, Knowledge Operations and Development, Security and Operations (DevSecOps) initiatives. EIS provides Air Force personnel access to, and management of, timely, accurate, and trusted mission data, information, and knowledge supporting information/decision superiority. EIS is comprised of Platform One (P1) and Enterprise Resource Planning Common Services (ERP-CS).												
P1 and ERP-CS provide common platforms, common application support services, data center migration to the cloud options, and security services for AF mission applications. P1 provides access to a cyber-secure software supply chain and an existing, accredited DevSecOps infrastructure reusable by DoD programs that accelerate widespread adoption of DevSecOps methodologies IAW DoD Digital Modernization strategy. ERP-CS provides the common services for Enterprise Resource Planning (ERP) applications in the target DAF Cloud environment for Department of the Air Force (DAF) ERP systems. P1 and ERP-CS acquisitions are critical to provide common services across multiple hosting environments leveraging DoD and DAF brokered commercial cloud capabilities that comply with the Air Force Information Technology (AF IT) baselines.												
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 FY24 1.169M was expended for civilian pay expenses in this program element; and in FY25 2.710M is forecasted for civilian pay expenses in this program element.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0308602F I ENTEPRISE INFORMATION SERVICES (EIS)				
FY26 request was reduced by \$.891M 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 Initiatives.						
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 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		100.357	104.133	108.031	0.000	108.031
Current President's Budget		96.912	104.133	101.779	0.000	101.779
Total Adjustments		-3.445	0.000	-6.252	0.000	-6.252
• 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		-0.290	0.000			
• SBIR/STTR Transfer		-3.155	0.000			
• Other Adjustments		0.000	0.000	-6.252	0.000	-6.252
Change Summary Explanation						
No significant change to FY26 budget request.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)				Project (Number/Name) 6622P1 / Platform One			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
6622P1: Platform One	0.000	88.575	94.895	95.380	0.000	95.380	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY 2024, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 6622P1, Platform One in order to provide better visibility into the funding delineation between the two projects in the PE.												
A. Mission Description and Budget Item Justification Platform One (P1) delivers the trusted foundation to continuously develop, secure, and operate (DevSecOps) better software at enterprise scale. It powers the delivery of mission critical software necessary for a decisive warfighter advantage and Department of the Air Force (DAF) software modernization by providing a secure centralized software development and delivery platform, tools, and training for DAF and DoD programs. P1's ecosystem provides access to existing, accredited and supported DevSecOps tools and infrastructure via six key solutions to accelerate widespread adoption of DevSecOps methodology IAW DoD Software Modernization strategy and Fulcrum strategy. High-level overviews for P1's key solutions follow: Iron Bank - A vetted repository of software container images providing standardized software supply chain security at scale. Big Bang - A pre-configured and tailorable DevSecOps platform empowering DAF to rapidly build and deploy secure software. Party Bus - Secure, fully-managed, enterprise-scale DevSecOps platform for software development activities. EdgeOps - Automates secure deployment of mission-critical software by Airmen at the tactical edge. CollabTools - Streamlines secure communication, agile project management, and software development collaboration. MarketPlace - Enterprise marketplace with decentralized ordering to accelerate acquisitions of innovative DevSecOps solutions.												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Title: Platform One-LS							88.575	94.895	95.380	-	95.380	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025				
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)	Project (Number/Name) 6622P1 / Platform One				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: P1 is the DoD CIO's preferred DevSecOps enterprise solution delivering full stack automation tools, services, and standards as-a-service. P1 allows programs developing and/or delivering software to focus on building flexible and interoperable mission capability rapidly and securely.</p> <p>FY 2025 Plans: FY25 centrally funds core services, including but not limited to: software vulnerability management pipelines and repository dedicated to software Supply Chain Risk Management (SCRM) and Software Bill of Materials (SBOM) for Commercial and Open Source software at multiple commercial cloud impact levels (IL-2, IL-4, IL-5, and IL-6); Infrastructure as Code (IaC) tailorable to a program's needs and deployable to unclassified and classified cloud, on-premise environments, disconnected systems in a denied, degraded, intermittent, and limited (DDIL) operational environments; continuing and maturing partnerships with embedded systems development common in many weapon systems; long-term scaling of unclassified and classified DevSecOps capabilities to more government organizations with unique use-cases along with inflationary costs associated with DEVSECOPS contracts.</p> <p>This infrastructure provides real-time security and expedites the initial and routine compliance assessments of the Risk Management Framework (RMF) to obtain an Authority to Operate (ATO). P1's capability enables continuous delivery of software capabilities through secure, tailorable and agile software factory services, tools, and standards.</p> <p>- Continue delivering capability enabling DevSecOps efforts at the warfighting edge supporting DoD CIO priorities.</p> <p>- Continue development and delivery of DevSecOps tools and services supporting enterprise transformation of software capabilities to match the speed of technology and threats.</p> <p>- Continue integration and evolution of enterprise zero trust architecture to provide secure and resilient DevSecOps from development to edge employment.</p> <p>- Continue to expand container provenance and assessment capability to higher classification levels to enhance supply chain risk mitigation of commercial and open-source products.</p> <p>FY 2026 Base Plans:</p>							

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)		Project (Number/Name) 6622P1 / Platform One		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<ul style="list-style-type: none"> - Will continue to develop, integrate, deliver, and operate enterprise DevSecOps tools and services supporting software modernization and continuous software delivery to match the speed of technology and threats. - Will integrate additional data feeds informing assessments of software within Iron Bank to increase software supply chain insights across the DoD and DIB. - Will develop additional distribution of the Big Bang platform to proliferate simplified deployments tailored to AI/ML, DataOps, and other emerging use cases. - Will continue to develop, integrate, and deliver increased automation and self-service options within the Big Bang platform available to all downstream consumers. - Will continue to integrate and operate collaboration tools for software development and operational communities. - Will develop edge deployment reference architecture, decoupling hardware from software systems to enable continuous delivery of capability at the warfighting edge. - Will continue onboarding new DevSecOps solutions, tools, and vendors to the pre-evaluated Marketplace to reduce acquisition timelines across the DoD. 						
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding increased compared to FY 2025 by 3.619 million due to inflationary costs associated with DevSecOps development labor contracts.						
Accomplishments/Planned Programs Subtotals		88.575	94.895	95.380	-	95.380
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
N/A						
D. Acquisition Strategy						
N/A						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)				Project (Number/Name) 66ACS1 / R&D Change Management			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
66ACS1: R&D Change Management	0.000	8.337	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2024, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 6622P1, Platform One in order to provide better visibility into the funding delineation between the two projects in the PE.

In FY 2025, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 66ACSI, Acquisition and Command Support Integration to correct a database error.

A. Mission Description and Budget Item Justification

Platform One (P1) and Enterprise Resource Planning Common Services (ERP-CS) provide common platforms, common application support services, data center migration strategy, and security services for DAF mission applications. P1 provides access to existing, accredited and supported DevSecOps infrastructure, to accelerate widespread adoption of DevSecOps methodology IAW DoD Digital Modernization strategy. ERP-CS provides common services to DAF Enterprise Resource Planning (ERP) applications in the DAF target cloud environment for DAF ERP mission applications. This acquisition is critical for multiple hosting environments leveraging commercial cloud capabilities in compliance with the Air Force Information Technology (AF IT) baselines.

This project was split into Project 6622P1, Platform One, and Project 66ACSI, Acquisition and Command Support Integration to provide better visibility into the funding delineation between Platform One and Enterprise Resource Planning Common Services (ERP-CS) efforts.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Enterprise Resource Planning Common Services	8.337	0.000	0.000	0.000	0.000
Description: The portfolio aims to provide Joint Information Environment compliant enterprise and/or local application and data hosting. ERP CS costs consist of subject matter expert support, A&AS support, license costs, PMA directorate assessments, cyber security tools/services, system implementer, studies, Cloud One costs, independent test services and other miscellaneous costs to successfully manage the program. This effort will design, develop and deliver consolidated common services for ERP applications in a cloud environment under Cloud One. Environments targeted for consolidation are development, test, production and disaster recovery across at least two geographically separated locations. This effort includes completing cybersecurity requirements and acquisition of supporting cloud infrastructure, software and management resources.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)		Project (Number/Name) 66ACS1 / R&D Change Management		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
FY 2025 Plans: In FY 2025, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 66ACSI, Acquisition and Command Support Integration.						
FY 2026 Base Plans: N/A						
FY 2026 OOC Plans: N/A						
FY 2025 to FY 2026 Increase/Decrease Statement: N/A						
Accomplishments/Planned Programs Subtotals		8.337	0.000	0.000	0.000	0.000
C. Other Program Funding Summary (\$ in Millions) N/A						
Remarks						
D. Acquisition Strategy N/A						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)				Project (Number/Name) 66ACSI / Acquisition and Command Support Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
66ACSI: Acquisition and Command Support Integration	0.000	0.000	9.238	6.399	0.000	6.399	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2025, PE 0308602F, Enterprise Information Services, Project 66ACS1, R&D Change Management efforts were transferred to PE 0308602F, Enterprise Information Services, Project 66ACSI, Acquisition and Command Support Integration to correct a database issue.

A. Mission Description and Budget Item Justification

Enterprise Resource Planning Common Services (ERP-CS) provides common application support services, data center migration strategy support, and security services for hosting Department of the Air Force (DAF) Enterprise Resource Planning (ERP) mission applications. ERP-CS provides the common application services in the DAF target cloud environment for DAF ERP mission applications. This acquisition is critical to provide common application services in Department of Defense (DoD) Joint Information Environment (JIE) compliant DAF enterprise cloud hosting environments.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Enterprise Resource Planning Common Services	-	9.238	6.399	-	6.399
Description: ERP-CS aims to provide common application services within a JIE compliant DAF enterprise hosting environment. ERP-CS costs consist of subject matter expert support, A&AS support, license costs, cyber security tools/services, system implementer, Cloud One costs, and independent test services. This effort will design, develop and deliver consolidated common services for ERP applications within Cloud One supported environments.					
FY 2025 Plans: - Continue to develop and deliver modernized, standard, secure, and resilient IT infrastructure and platforms to support application workload and data storage for the Air Force ERPs supporting DoD Chief Information Officer (CIO) priorities. - Continue to develop and deliver updates to the established DevSecOps infrastructure, tools, and services to meet the requirements of the ERPs and applications migrating to ERP-CS environments in Cloud One Oracle Cloud Infrastructure (OCI).					
FY 2026 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)		Project (Number/Name) 66ACSI / Acquisition and Command Support Integration		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>- Will continue developing and delivering standardized, secure, and robust IT infrastructure and platforms to support application workloads and data storage for DAF ERP initiatives aligned with the priorities of the DoD Chief Information Officer.</p> <p>- Will continue developing and delivering updates for the established common services ensuring support is in place for DAF ERPs migrating to the OCI.</p> <p>- Will continue developing and delivering FinOps capabilities to improve cost tracking, cloud optimization, and reporting.</p> <p>- Will continue developing and integrating compliance monitoring, logging, and audit readiness capabilities supporting DAF Financial Improvement and Audit Readiness (FIAR) requirements.</p> <p>- Will continue integrating DAF Identity, Credential, and Access Management (ICAM) solutions to enable Mission Partners (MRO, DEAMS, AFIPPS) zero trust requirements.</p> <p>- Will continue developing and integrating an Enterprise Automation capability enabling automated provisioning of cyber compliant Oracle Cloud environments.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY 2026 funding decreased compared to FY 2025 by \$2.839 million due to realignment of requirements from RDT&E to O&M.</p>						
Accomplishments/Planned Programs Subtotals		-	9.238	6.399	-	6.399
C. Other Program Funding Summary (\$ in Millions) N/A						
Remarks						
D. Acquisition Strategy N/A						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0702806F I Acquisition and Management Support							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	24.436	25.216	22.670	0.000	22.670	-	-	-	-	-	-
66ACSI: ACQ and Command Support Integration	0.000	24.436	25.216	22.670	0.000	22.670	-	-	-	-	-	-

Note

This program, BA 6, PE 0702806F, project 66ACSI, Great Power Competition, is a new start.

A. Mission Description and Budget Item Justification

The program funds efforts to meet the Defense Acquisition Workforce Improvement Act (DAWIA), as well as Congressional, SECDEF, and SECDEF mandates to provide program management execution tools, systems integration and architectural analysis, information technology infrastructure development, and technical workforce management. Funding also provides the framework for Air Force business and acquisition transformation in developing capabilities-based architectures, re-engineering and enabling technologies, integrating robust systems engineering into early acquisition processes, acquisition process improvement analysis, and developing and managing a technical workforce with the expertise to uniformly implement OSD and Air Force engineering guidance and policies. These efforts provide stability in Air Force Acquisition by integrating major processes to reverse trends toward unpredictable program cost, schedule, and performance to facilitate quick response to urgent operational needs from across the entire spectrum of potential conflicts. These integrated capabilities will provide OSD and AF acquisition leadership insights needed to effectively manage a complex portfolio of acquisition programs through more timely and reliable access to authoritative acquisition data.

The Air Force is refocusing a number of science and technology concept explorations in artificial intelligence (AI) across command, control, communications, sensor, and intelligence areas within PE 0602788F, Dominant Information Sciences and Methods, and PE 0602204F, Aerospace Sensors, to improve and accelerate the delivery of artificial intelligence warfighting capabilities under the direction of both the Vice Chief of Staff of the Air Force and the Assistant Secretary of the Air Force (Acquisition, Technology & Logistics) and exercised through the Air Force Capability Development Council. The Air Force will now perform these science and technology concept explorations under this Program Element as the Air Force continues to respond to and reflect 1) the vision outlined for Artificial Intelligence in the 2018 National Defense Strategy, 2) expectations outlined by the February 2019 White House Executive Order on Artificial Intelligence and the United States Department of Defense (DoD) Artificial Intelligence Strategy, 3) initiatives by other Armed Services to create AI-centric organizations, 4) Senior Air Force leadership goals to develop Artificial Intelligence applications for the United States Air Force in the near term, and 5) senior Department of Defense leadership objectives to enrich and strengthen the broader Air Force and Department Artificial Intelligence ecosystem to impact national security.

Additionally, this program supports Great Power Competition through an enterprise decision-making forum with proper authorities and oversight to ensure product support decisions are informed from an AF enterprise perspective to efficiently leverage resources and optimize support to the warfighter at an 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,

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0702806F I Acquisition and Management Support				
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 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		20.478	25.216	25.332	0.000	25.332
Current President's Budget		24.436	25.216	22.670	0.000	22.670
Total Adjustments		3.958	0.000	-2.662	0.000	-2.662
• 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		3.958	0.000	-2.662	0.000	-2.662

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Managem ent Support				Project (Number/Name) 66ACSI / ACQ and Command Support Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
66ACSI: ACQ and Command Support Integration	0.000	24.436	25.216	22.670	0.000	22.670	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 6, PE 0702806F, project 66ACSI, Great Power Competition, is a new start.

A. Mission Description and Budget Item Justification

The program funds efforts to meet the Defense Acquisition Workforce Improvement Act (DAWIA), as well as Congressional, SECDEF, and SECAF mandates to provide program management execution tools, systems integration and architectural analysis, information technology infrastructure development, and technical workforce management. Funding also provides the framework for Air Force business and acquisition transformation in developing capabilities-based architectures, re-engineering and enabling technologies, integrating robust systems engineering into early acquisition processes, acquisition process improvement analysis, and developing and managing a technical workforce with the expertise to uniformly implement OSD and Air Force engineering guidance and policies. These efforts provide stability in Air Force Acquisition by integrating major processes to reverse trends toward unpredictable program cost, schedule, and performance to facilitate quick response to urgent operational needs from across the entire spectrum of potential conflicts. These integrated capabilities will provide OSD and AF acquisition leadership insights needed to effectively manage a complex portfolio of acquisition programs through more timely and reliable access to authoritative acquisition data. Additionally, this program supports the Great Power Competition through an enterprise decision-making forum with proper authorities and oversight to ensure product support decisions are informed from an AF enterprise perspective to efficiently leverage resources and optimize support to the warfighter at an enterprise level.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Acquisition Mandates	1.864	1.543	2.710	-	2.710
Description: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.					
FY 2025 Plans: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.					
FY 2026 Base Plans: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Management Support	Project (Number/Name) 66ACSI / ACQ and Command Support Integration			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
No significant delta between FY25 and FY26.						
<p>Title: Acquisition Management in support of PEO Business Enterprise Systems</p> <p>Description: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> <p>FY 2025 Plans: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> <p>FY 2026 Base Plans: Funds AF required Network Operations/LAN at Gunter, Enterprise MITRE Support, IT Services, operational AF help desks, and A&AS in support of the SECAF and SAF/AQ vision within PEO BES.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: No significant delta between FY25 and FY26.</p>		0.000	3.574	2.500	-	2.500
<p>Title: Technical and Analytical Support</p> <p>Description: Supports Acquisition Domain-level effort to integrate existing acquisition business systems/ services, data, and processes supporting key Acquisition capabilities at the enterprise level (via the Acquisition Domain Capabilities Integration (ADCI) activities). This support entails analysis required to architect an integrated environment on multiple hosting platforms to support the portfolio of acquisition business systems by solving problems across/outside of individual system boundaries with the goal of reducing redundancy, improving systems operations, and improving management of data resulting in dramatically improved transparency, efficiency, and effective management of the Acquisition process. This support also helps implement standards for data management and service-oriented design methodology to facilitate efficiency and interoperability as well as providing some business intelligence services. The creation and support of domain-level requirements and governance processes as well as the creation of domain-wide data standards are additional support items provided. In addition, includes support for Artificial Intelligence/Machine Learning (AI/ ML) pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise.</p> <p>FY 2025 Plans: Continue supporting the automation of key Life Cycle Management Center (LCMC) and Space & Missile Systems Center (SMC) acquisition processes and onboarding of new capabilities across the Acquisition Domain.</p>		2.270	2.266	2.220	-	2.220

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Management Support		Project (Number/Name) 66ACSI / ACQ and Command Support Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Supports refinement of CIO portfolio Artificial Intelligence (AI)/Machine Learning (ML) vision and incorporating functionalities built as part of AI/ML pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise. FY 2026 Base Plans: Continue supporting the automation of key Life Cycle Management Center (LCMC) and Space & Missile Systems Center (SMC) acquisition processes and onboarding of new capabilities across the Acquisition Domain. Supports refinement of CIO portfolio Artificial Intelligence (AI)/Machine Learning (ML) vision and incorporating functionalities built as part of AI/ML pilots, experimentation associated with business analytics, acquisition program performance measures, and predictive analytics in support of decision-making and workforce training for the acquisition enterprise. FY 2025 to FY 2026 Increase/Decrease Statement: No significant delta between FY25 and FY26.						
Title: Project Management Resource Tools (PMRT) Description: Upgrade enterprise PMRT tools that provide program/project resource management support to the Acquisition community. FY 2025 Plans: Continue enhancement of PMRT to allow increased visibility to acquisition programmatic and financial information for all AF Acquisition investment programs. Continued expansion of critical PMRT interfaces via Acquisition Data Service Broker (ADSB) and enhance PMRT native apps. Increase PMRT refactoring and migration to incorporate Artificial Intelligence (AI), Machine Learning (ML), and Predictive Analysis. FY 2026 Base Plans: Continue enhancement of PMRT to allow increased visibility to acquisition programmatic and financial information for all AF Acquisition investment programs. Continued expansion of critical PMRT interfaces via Acquisition Data Service Broker (ADSB). FY 2025 to FY 2026 Increase/Decrease Statement: Decrease is due to PMRT moving into sustainment.		3.692	1.464	1.547	-	1.547
Title: Capabilities Integration Environment (CIE)		1.349	1.843	0.000	-	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Management Support		Project (Number/Name) 66ACSI / ACQ and Command Support Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: CIE is an Infrastructure as a Service (IaaS) provider that enables application proofs-of-concept, development, integration, and test activities in accredited on-premises government cloud and third-party commercial cloud environments.</p> <p>FY 2025 Plans: There is no longer a requirement for this program due to it being terminated.</p> <p>FY 2026 Base Plans: No requirements in FY26.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Program was terminated.</p>						
<p>Title: USAF Artificial Intelligence Accelerator at MIT</p> <p>Description: Establish the first phase of a state-of-the-art, end-to-end, sustainable ecosystem of AI technology from basic research to transformed data sets ready for use in developing artificial intelligence algorithms and operational prototypes. This effort creates an environment where integrated teams of MIT researchers and USAF Airmen develop Challenge Problems in AI and invites the academic and commercial communities to propose solutions to those Challenge Problems.</p> <p>FY 2025 Plans: Continue to perform each of the following activities: Guardian Autonomy for Safe Decision Making; Fast AI; Transferring Multi-Robot Learning through Virtual and Augmented Reality for Rapid Disaster Response; Conversational Interaction for Unstructured Information Access and Language Learning; Multimodal Vision for Synthetic Aperture Radar; AI-Assisted Optimization of Training Schedules; The Earth Intelligence Engine; Robust Neural Differential Models for Navigation and Beyond; Objective Performance Prediction & Optimization using Physiological and Cognitive Metrics; AI-Enhanced Spectral Awareness and Interference Rejection; Application of Evolutionary Algorithms for DoD Complex Enterprises; AI Education Research: Know, Apply and Lead; and Automation in Space Domain Awareness.</p> <p>FY 2026 Base Plans: Continue to support AF artificial intelligence initiatives.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>		15.061	14.526	13.693	-	13.693

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Management Support		Project (Number/Name) 66ACSI / ACQ and Command Support Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
No significant delta between FY25 and FY26.						
<p>Title: Development and Retention</p> <p>Description: Supports activities to develop, manage and retain the acquisition workforce.</p> <p>FY 2025 Plans: Continue to perform activities to develop, manage, and retain the acquisition workforce by providing training on enhanced business and engineering processes.</p> <p>FY 2026 Base Plans: There isn't a requirement for FY26.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: There are no funds in FY25.</p>		0.200	0.000	0.000	-	0.000
<p>Title: Great Power Competition</p> <p>Description: Supports an enterprise decision-making forum with proper authorities and oversight to ensure product support decisions are informed from an AF enterprise perspective to efficiently leverage resources and optimize support to the warfighter at an enterprise level.</p> <p>FY 2025 Plans: Funds aren't planned until FY26.</p> <p>FY 2026 Base Plans: Designate the Enterprise Product Support Center of Excellence as the sustainment and modernization leader at the SML/PSM level. Directs continuous product support and sustainment enterprise planning as an input and framework for program level sustainment planning. Elevates technical data rights strategy decisions and provide enterprise level sustainment data rights policy guidance, decision making, and program manager and product support manager training on technical data rights. Trains program executive officers, program managers, and product support managers to create, understand, and use meaningful sustainment metrics prior to Milestone A. Enables Sustainment and modernization functional leader, with appropriate authorities, staff, and resources. Expands the Air Force Air Dominance Systems Center workforce development program in size and scope, add the Air Force Sustainment Center (AFSC) as a full partner, and include AFSC personnel in the program.</p> <p>FY 2026 OOC Plans:</p>		-	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0702806F / Acquisition and Management Support		Project (Number/Name) 66ACSI / ACQ and Command Support Integration		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
N/A						
FY 2025 to FY 2026 Increase/Decrease Statement: Funds aren't available for this requirement until FY26.						
Accomplishments/Planned Programs Subtotals		24.436	25.216	22.670	0.000	22.670
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
D. Acquisition Strategy						
N/A						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0804776F / <i>Advanced Distributed Learning</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.828	1.698	0.000	1.698	-	-	-	-	-	-
665297: <i>Technical Training Information</i>	0.000	0.000	0.828	1.698	0.000	1.698	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

TECHNICAL TRAINING MANAGEMENT SYSTEM [TTMS]: TTMS provides AETC organizations with a world class commercial-off-the-shelf [COTS] / government-off-the-shelf [GOTS] learning management system which supports six functions: course design and development; student evaluation; instructor management; student management; data analysis; and resource administration. TTMS is a centralized web-based system which provides productivity enhancements and higher degree of efficiency to AETC. The primary requirement objectives currently under development are: 1] Integration of Basic Training Management System [BTMS] capabilities and student records into the TTMS.

Prior to FY25 these efforts were funded by to PE 0804731F, General Skill Training

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	1.652	1.686	0.000	1.686
Current President's Budget	0.000	0.828	1.698	0.000	1.698
Total Adjustments	0.000	-0.824	0.012	0.000	0.012
• 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	-0.824	0.012	0.000	0.012

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

	FY 2024	FY 2025	FY 2026
Title: Technical Training Management System [TTMS]	-	0.828	1.698

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0804776F I <i>Advanced Distributed Learning</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: Provided TTMS productivity enhancements and higher degree of efficiency to AETC [i.e., Military Training Leader and Basic Training Management System]. FY 2025 Plans: Continue TTMS development FY 2026 Plans: Continue TTMS development FY 2025 to FY 2026 Increase/Decrease Statement: Minor increase due to inflation				
Accomplishments/Planned Programs Subtotals		-	0.828	1.698
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 1001004F I International Activities							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	3.917	4.254	4.430	0.000	4.430	-	-	-	-	-	-
664645: International Cooperative Research & Development	0.000	3.917	4.254	4.430	0.000	4.430	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The mission of this program is to establish, sustain, expand, and enhance mutually beneficial international partnerships through the implementation of air, space, and cyber international armament cooperation (IAC) agreements thereby supporting Department of the Air Force (DAF) and Department of Defense (DoD) goals and objectives. These International Agreements (IAs) will: significantly improve U.S. and allied conventional defense capabilities and capacity; accelerate the availability of defense systems; solve capability gaps; develop, acquire, upgrade, sustain, and/or support interoperable equipment with our allies; create cooperative acquisition, production, or logistic partnerships; promote mutual and equitable sharing of effort, cost, information, and risk; provide access to remote or operational test sites; leverage economies of scale; and promote interoperability with our allies.

The DAF is party to more than 680 current air, space, and cyber bilateral and multilateral IAs to solve U.S. and allied military capability gaps, develop materiel solutions, harmonize requirements, and build interoperability with our international partners. This program element funds the DAF to identify, develop, process, negotiate, conclude, implement, and manage IAs in compliance with statutory provisions, legal authorities, fiscal constraints, technology transfer controls, intellectual property rights, third party transfer provisions, equitability criteria, industrial base factors, political-military interests, and the National Defense Strategy (NDS). Included in this budget are: air, space, and cyber IAC and IA activities; specialized working groups; Air Senior National Representative (ASNR) activities; technology assessments; requirements development; Engineering and Scientist Exchange Program (ESEP); and Administrative and Professional Exchange Program (APEP).

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 1001004F I International Activities				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	3.917	4.590	4.705	0.000	4.705	
Current President's Budget	3.917	4.254	4.430	0.000	4.430	
Total Adjustments	0.000	-0.336	-0.275	0.000	-0.275	
• 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	-0.336	-0.275	0.000	-0.275	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: International Partnership Activities				0.800	0.890	0.890
Description: Advocate, develop, and support DAF activities, goals, and objectives to build global partnerships in support of national security objectives and the NDS through IAC agreements. Funds DAF participation in NATO forums to promote harmonization and interoperability. Funds DAF support and participation in DoD IAC forums. Funds technical assessments, pre-technology development activities, requirements development, and interoperability activities. Funds DAF efforts to enhance existing relationships with Australia, Belgium, Canada, Denmark, France, Germany, Israel, Italy, Japan, NATO, Netherlands, New Zealand, Norway, South Korea, Singapore, Sweden, and UK. Funds DAF efforts to build stronger relationships with the Czech Republic, Estonia, Finland, Hungary, India, Luxembourg, Poland, Spain, and Switzerland. Funds DAF efforts to establish IAC relationships with Brazil, Chile, Columbia, Peru, Taiwan, and other emerging partners in accordance with (IAW) national security goals and objectives.						
FY 2025 Plans: Build global partnerships by advocating IAC goals and objectives to establish, sustain, expand and enhance mutually beneficial partnerships between the U.S. and coalition and strategic partners to meet current and future global strategic challenges through optimization of interoperability, integration, and interdependence between forces. Efforts will have an enhanced focus on mutually beneficial partnerships IAW DAF, DOD, and national security goals and objectives.						
FY 2026 Plans: Continue efforts to build global partnerships by establishing, expanding, and enhancing mutually beneficial partnerships between the U.S., coalition, and strategic partners to meet current and future global strategic challenges. Optimizing interoperability,						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 1001004F <i>I International Activities</i>		
C. Accomplishments/Planned Programs (\$ in Millions) integration, and interdependence between forces. Efforts will have an enhanced focus on mutually beneficial partnerships IAW DAF, DOD, and national security goals and objectives. FY 2025 to FY 2026 Increase/Decrease Statement: N/A.		FY 2024	FY 2025	FY 2026
Title: International Armaments Cooperation (IAC) Agreement Activities Description: Identify, develop, process, negotiate, conclude, and implement bilateral and multilateral IAC Agreements that meet the goals, objectives, and mission of the DAF and DoD. IAC activities provide the DAF access to: critical geography; remote test ranges; launch vehicles; challenged environments; operational environments; threat scenarios; new capabilities; world class R&D facilities; personnel; cost sharing; economies of scale; and critical information systems. IAC activities will meet warfighter needs and enhance interoperability by cooperating with our partners in the areas of: secure communications; positioning, navigation, and timing; situational awareness; materials and composites; human effectiveness; space domain awareness; robotics; nanomaterial; pilot performance; missile warning; satellite communications; quantum communication; secure coalition information sharing; biometrics; munitions design; hypersonics; alternative energy; improvised explosive devices defeat; weapons of mass destruction defeat; responsive space; ground and space based radars; sensors; autonomous control; distributed missions; training systems; synthetic aviation fuels; lasers; weapon systems; weapon delivery; unmanned aerial systems; missile development; armaments interface; swarming; intelligence, surveillance and reconnaissance; sustainment; gap analysis; simulators; combined logistics; mission planning systems; world-wide flight requirements; electronic warfare; safety; aging aircraft; airlift; tankers; trainers; directed energy; weapon stores; systems acquisition; interoperability; and system development, updates, upgrades, and modifications. FY 2025 Plans: Initiate efforts to identify, develop, process, negotiate, conclude, and implement new bilateral and multilateral IAC agreements that meet the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber domains. New IAs will be pursued IAW DAF, DOD, and NDS goals and objectives in CY to meet warfighter requirements. FY 2026 Plans: Continue to identify, develop, process, negotiate, conclude, implement, and manage, bilateral and multilateral IAC agreements that meet the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber domains. Development and negotiations will continue on IAs not concluded in CY. New IAs will be pursued IAW DAF, DOD, and NDS goals and objectives in BY. FY 2025 to FY 2026 Increase/Decrease Statement:		2.817	2.864	3.040

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support				R-1 Program Element (Number/Name) PE 1001004F I International Activities							
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
FY 2026 funding increased compared to FY 2025 is \$0.176M due to greater need for air, space, and cyber international agreements that support interoperability and commonality with our international partners.											
Title: Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP) Description: Oversight, program execution, program management, and selection of ESEP and APEP Agreements with partner governments. Military and civilian personnel from DAF Command, Product Centers, Test Centers, and Logistic Centers for 2-year tours at selected allied partner government laboratories and facilities. Partner government military and civilian personnel are placed in DAF RDT&E facilities. FY 2025 Plans: Execute program management and support of prior and current ESEP and APEP personnel placements in foreign partner or DAF facilities for 2-year tours. FY 2026 Plans: Continue program management and support of current and future ESEP and APEP personnel placements in foreign partner or DAF facilities for 2-year tours. FY 2025 to FY 2026 Increase/Decrease Statement: N/A									0.300	0.500	0.500
Accomplishments/Planned Programs Subtotals									3.917	4.254	4.430
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 06 1001004F: International Activities	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-
Remarks There is no other program funding for the activities pursued under 1001004F International Activities.											
E. Acquisition Strategy N/A											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604233F I Specialized Undergraduate Flight Training							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	26.265	30.043	66.200	0.000	66.200	-	-	-	-	-	-
674101: Undergraduate Remotely Piloted Aircraft Training	0.000	0.748	0.898	2.782	0.000	2.782	-	-	-	-	-	-
676035: T-6 Operational System Development	0.000	20.418	29.000	63.271	0.000	63.271	-	-	-	-	-	-
676037: T-38 Operational System Development	0.000	5.099	0.145	0.147	0.000	0.147	-	-	-	-	-	-
A. Mission Description and Budget Item Justification												
Supports Air Education and Training Command's (AETC) implementation of Specialized Undergraduate Pilot Training and the Department of Defense initiative for joint pilot training.												
Undergraduate Remotely Piloted Aircraft (RPA) Training (URT) continues development, integration, testing, and deploying activities for the new URT Fundamentals Training System. This program produces RPA pilots and Sensor Operators from accession sources to man RPA squadrons.												
T-6 Operational System Development continues follow on development activities to the T-6 including but not limited to studies & development efforts, instructional courseware, and logistics support to include Diminishing Manufacturing Sources & Material Shortages (DMSMS) and development activities related to DMSMS. Included is development for the Next Generation On-Board Oxygen Generation System (OBOGS), Crash Survivable Recorder (CSR), Avionics Replacement Program (ARP) and associated upgrades. There are currently 443 aircraft in the Air Force inventory with a service life through Dec 2049.												
The T-38 is a twin-engine, two-seat (tandem), supersonic jet trainer. The T-38C is used by AETC as an advanced trainer in Specialized Undergraduate Pilot Training and Introduction to Fighter Fundamentals, and by Air Force Materiel Command as a test bed for fighter-type aircraft capability. T-38A/B aircraft are used by Air Combat Command as a companion trainer for U-2 operational units and in Adversary Air (ADAIR) exercises supporting F-22 readiness, and by Air Force Global Strike Command as a companion trainer for B-2 operational units. There are currently 497 active T-38s in the Air Force inventory (53 T-38A, six AT-38B and 438 T-38C). T-38s first entered service in 1960 with an average service life of over 50 years.												
In FY 2024, this PE provided \$10.0 million for a Rapid Acquisition Authority requirement.												
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0604233F I Specialized Undergraduate Flight Training				
The FY 2026 request was reduced by \$0.951 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 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 elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 \$1.885 million was expended for civilian pay expenses in this program element, and in FY 2025 \$3.063 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.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		41.464	39.667	7.625	0.000	7.625
Current President's Budget		26.265	30.043	66.200	0.000	66.200
Total Adjustments		-15.199	-9.624	58.575	0.000	58.575
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-14.900	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-0.269	0.000			
• SBIR/STTR Transfer		-0.030	0.000			
• Other Adjustments		0.000	-9.624	58.575	0.000	58.575
Change Summary Explanation						
FY 2024 funding request reduced by \$14.9 million due to a Congressional Directed Reduction as the Avionics Replacement Program (ARP) was previously funded.						
FY 2025 funding request decreased by \$9.624 million due to a Congressional Mark for ARP contract award delay.						
FY 2026 funding request increased by \$58.575 million to rephase T-6 ARP.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>				Project (Number/Name) 674101 / <i>Undergraduate Remotely Piloted Aircraft Training</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674101: <i>Undergraduate Remotely Piloted Aircraft Training</i>	0.000	0.748	0.898	2.782	0.000	2.782	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This effort supports Air Education and Training Command's (AETC) implementation of Undergraduate Remotely Piloted Aircraft (RPA) Training (URT). URT produces RPA pilots and Sensor Operators from accession sources to man RPA squadrons.

Success of the program is heavily dependent on multiple training systems to prepare undergraduate students for entry in RPA Formal Training Units (FTU). 19AF/CC approved a significant system upgrade along with a change in software. This change allowed for a more flexible and adaptable training system that can carry URT into the future. Funding will be used to develop organic software capabilities, update obsolete equipment, and develop new training tools. The goal of these changes is to build a more capable set of training systems focused on reducing costs while ensuring RPA training is ready to support the National Defense Strategy from today into tomorrow.

Funds may be used to address emerging and short-notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues. Diminishing Manufacturing Sources efforts 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.

Implementation requirements and standards are defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative.

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 elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 \$0.143 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.144 million is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Undergraduate RPA Training Support	0.748	0.898	2.782	-	2.782
Description: Develop capabilities to support AETC's implementation of Undergraduate RPA Training to produce RPA pilots and Sensor Operators for RPA squadrons.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>		Project (Number/Name) 674101 / <i>Undergraduate Remotely Piloted Aircraft Training</i>		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<i>FY 2025 Plans:</i> Continues updates and upgrades of new training simulation software of current software utilized in the RPA Instrument Qualification Course to train RPA pilots. Continue full scale implementation across both RPA Pilot and Sensor Operator training. Concurrently, software development will continue with feedback from testing.						
<i>FY 2026 Base Plans:</i> Update and upgrade new training simulation software for the RPA Instrument Qualification Course to include but not limited to full scale implementation across both RPA Pilot and Sensor Operator training. Additionally, software development upgrade activities resulting from testing feedback and Vigilant Spirit Software Development.						
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increased due to ramp up of efforts to support Vigilant Spirit software development and increased program support costs						
Accomplishments/Planned Programs Subtotals		0.748	0.898	2.782	-	2.782
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
D. Acquisition Strategy						
Transition from contractor support to organic sustainment at Oklahoma City Air Logistics Complex, Tinker AFB, OK.						

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 674101 / Undergraduate Remotely Piloted Aircraft Training					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
URT Phased planning, design, and development of software updates	SS/FFP	555th SWES, Tinker ALC : Tinker AFB, OK	-	0.605	Oct 2023	0.493	Oct 2024	0.300	Oct 2026	-		0.300	-	-	-
Subtotal			-	0.605		0.493		0.300		-		0.300	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Hire Civ Pay	TBD	Not specified. : TBD	-	0.143		0.144		0.150		-		0.150	-	-	-
Subtotal			-	0.143		0.144		0.150		-		0.150	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Program Office : WPAFB, OH	-	0.000	Oct 2023	0.261	Oct 2024	2.332		0.000	Oct 2026	2.332	-	-	-
Subtotal			-	0.000		0.261		2.332		0.000		2.332	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.748		0.898		2.782		0.000		2.782	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 674101 / Undergraduate Remotely Piloted Aircraft Training			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Undergraduate RPA Training Support																												
URT Training System Design/Development																												
URT Training System Test Implementation																												
URT Training System Continued Design/Development																												
URT Training System Full Scale Implementation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 674101 / Undergraduate Remotely Piloted Aircraft Training	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Undergraduate RPA Training Support				
URT Training System Design/Development	1	2024	2	2026
URT Training System Test Implementation	2	2024	4	2025
URT Training System Continued Design/Development	3	2024	1	2030
URT Training System Full Scale Implementation	4	2024	3	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 676035 / T-6 Operational System Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676035: T-6 Operational System Development	0.000	20.418	29.000	63.271	0.000	63.271	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

T-6 Operational System Development continues follow on development activities to Joint Primary Aircraft Training System (JPATS) including but not limited to studies and development efforts, instructional courseware, and logistics support to include Diminishing Manufacturing Sources (DMS) and development activities related to DMS. Included is development for the Crash Survivable Recorder, Avionics Replacement Program (ARP), Enhanced Mission Cockpit (EMC) and associated upgrades. There are currently 443 aircraft (442 AETC & one TA-D Test aircraft) in the Air Force inventory. Remaining service life is through Dec 2049.

Funding contained in this platform's documentation directly aids Air Education Training Command (AETC) flying training enterprise and increase overall pilot production and reduce USAF pilot shortage.

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, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 \$1.742 million was expended for civilian pay expenses in this program element, and in FY 2025 \$2.919 million is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: T-6A JPATS Studies and Analysis	0.150	0.150	0.150	0.000	0.150
Description: T-6A JPATS studies and development activities including but not limited to: Engine Preservation/ Upgrade Development, On-Board Oxygen Generation System (OBOGS) Characterization Study, Next Generation On-Board Oxygen Generation System Study, Supplemental Oxygen System Study, Cockpit Environmental Monitoring/Analysis, and Physiological Events (PE) Analysis, and HUD/EMC Study/Analysis. Includes engineering and contractor support/services and Program Support Costs (PSC).					
FY 2025 Plans: Studies and analysis to include Supplemental Oxygen System Study, Cockpit Environmental Monitoring/ Analysis, and Physiological Events (PE) Analysis, and HUD/EMC Study/Analysis.					
FY 2026 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 676035 / T-6 Operational System Development				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Continue studies, analysis and developmental activities including but not limited to Engine Preservation and Upgrade Development, and Next Generation OBOGS Study. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A						
Title: T-6 Avionics Modernization (Avionics Replacement Program) Description: T-6A Avionics Replacement Program (ARP). Current T-6A avionics are comprised of analog and 1st generation digital components which are increasingly by DMSMS resulting in reduced Aircraft Availability (AA) and increased life-cycle sustainment costs. The current federated nature of the avionics suite compounds engineering and integration costs of replacement components. No less than 23 components impacts by DMSMS will be replaced by the ARP to improve reliability, availability and reduce system sustainment costs, via a modern, integrated, open-system avionics suite. The ARP will address DMSMS issues, current T-6A FAA compliance issues and fulfill outstanding safety recommendations. The solution will be incorporated into all 443 AETC aircraft and 80 Ground Based Trainers. FY 2025 Plans: Post-award developmental activities for instrument panel integration and other avionics suite engineering efforts. FY 2026 Base Plans: Continued developmental activities for instrument panel integration and other avionics suite engineering efforts to address Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues, current T-6A FAA compliance issues and fulfill outstanding safety recommendations. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase due to ramp up of primary integration activities for instrument panel and avionics suite engineering.		20.268	28.850	63.121	0.000	63.121
Accomplishments/Planned Programs Subtotals		20.418	29.000	63.271	0.000	63.271

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training			Project (Number/Name) 676035 / T-6 Operational System Development		

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

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line Item JPAT00: T-6	2.942	2.942	247.814	-	247.814	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Air Force is lead service for the T-6 Operational Systems Development program and currently manages upgrades to the entire family of systems for both the Air Force and Navy. T-6 Operational Systems Development acquisition strategy for satisfying emerging software and hardware requirements is designed to enable competition and control cost. Developmental requirements resulting from Diminishing Manufacturing Sources and Material Shortages research and reporting will be evaluated and implemented incrementally to efficiently deliver required capabilities to Air Education and Training Command (AETC).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>						Project (Number/Name) 676035 / <i>T-6 Operational System Development</i>			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
T-6 Avionics Modernization (Avionics Replacement Program)	C/FFP	Not specified. : TBD	-	8.645	Nov 2023	24.468	Dec 2024	58.360	Dec 2025	-		58.360	-	-	-
Subtotal			-	8.645		24.468		58.360		-		58.360	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Hire Civ Pay	C/TBD	Not specified. : TBD	-	1.742		2.919		3.007		-		3.007	-	-	-
Subtotal			-	1.742		2.919		3.007		-		3.007	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : Tinker, OK	-	-		0.150	Dec 2024	0.215	Dec 2025	-		0.215	-	-	-
Subtotal			-	-		0.150		0.215		-		0.215	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : TBD	-	10.031	Feb 2024	1.463	Feb 2025	1.689	Feb 2026	-		1.689	-	-	-
Subtotal			-	10.031		1.463		1.689		-		1.689	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	20.418		29.000		63.271		-		63.271	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force							Date: June 2025			
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training			Project (Number/Name) 676035 / T-6 Operational System Development				
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0604233F / Specialized Undergraduate Flight Training					676035 / T-6 Operational System Development			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Primary Aircraft Training System																												
T-6 (JPATS) Studies																												
Avionics Modernization																												
T-6 Avionics Replacement Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 676035 / T-6 Operational System Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Joint Primary Aircraft Training System				
T-6 (JPATS) Studies	1	2024	4	2030
Avionics Modernization				
T-6 Avionics Replacement Development	1	2024	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>				Project (Number/Name) 676037 / <i>T-38 Operational System Development</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676037: <i>T-38 Operational System Development</i>	0.000	5.099	0.145	0.147	0.000	0.147	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The T-38 RDT&E budget is focused on modifications needed to overcome Diminishing Manufacturing Sources & Material Shortages (DMSMS), of aging of critical components, emerging safety concerns, and cybersecurity risks. Operational Flight Program (OFP) block upgrades incorporate software improvements for the aircraft and aircrew training devices (ATDs) to address flight safety issues, and to comply with new capabilities mandated by Department of Defense, Federal Aviation Administration, or National Airspace System. RDT&E includes but is not limited to the following:

Terminal Avionics Replacement Program (TARP). F3I components requiring RDT&E include, but are not limited to, the Electronic Engine Display (EED), Multi-Function Display (MFD), Video Data Transfer Unit (VDTU), and Head-Up Display Camera (HUDC). Failure to fund these efforts will result in fleet-wide T-38C non-serviceability starting in Apr 2026.

Canopy Open Warning (COW) is a safety modification to the T-38C and is currently in development and will provide an aural warning to the pilot(s) that the canopy is unsecure prior to and during flight. This modification will be incorporated into the aircraft concurrent with the HUDC and VDTU development and installation.

Low-cost Avionics Modernization Program (LAMP I) is complete as of FY24 and was required to develop, integrate, and replace the Attitude Director Indicator (ADI), Horizontal Situation Indicator (HSI). LAMP I may also require a follow-on contract for the replacement of the Attitude Gyro Control Assembly, Rate Switching Gyro, Rate Gyro Transmitter, Servo-Amplifier, and Flight Director Computer for the T-38A/AT-38B. This effort will require both RDT&E and procurement funds to mitigate ongoing component failures and meet operational needs.

The T-38 Studies and Development effort captures ongoing and emerging RDT&E requirements, to include budget for flight test, OFP updates, and emerging obsolescence or safety issues. Additional revisions may occur under this effort. Failure to fund these efforts will prevent the T-38 program from rapidly responding to emerging RDT&E requirements. Current requirements include but are not limited to, Block Upgrades, T-38A/B/C Electronic Flight Bag DC Power Supply, T-38A/B/C Beacon Light Assembly, T-38A/B/C Landing Taxi Light Assembly, T-38C Emergency Locator Transmitter, T-38A/B Control of Both Radios, Flight Director Computer, and T-38C 5G Band Pass Filter.

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 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,

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 676037 / T-38 Operational System Development				
and 0606398F. In FY 2024 \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 million is forecast for civilian pay expenses in this program element.						
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: T-38C Terminal Avionics Replacement Program (TARP) Description: TARP develops replacements for four T-38C avionics components facing obsolescence. TARP includes, but is not limited to Electronic Engine Display (EED) and Multi-Function Display (MFD) (T-38C Displays) and Video Data Transfer Unit (VDTU) and Heads-Up Display Camera (HUDC) (T-38C Recording Devices). Compact Flash Cards that record flight data are no longer procurable. Inventory depleted in FY 2024. Without a functioning VDTU, the T-38C will be unsuitable for training purposes, with no ability to record flight data. The current HUDC will no longer function after the repair contract expires in Mar 2026. The HUDC is essential to the T-38C training mission, as a critical tool for student/instructor feedback. FY 2025 Plans: N/A FY 2026 Base Plans: N/A FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A		4.332	0.000	0.000	0.000	0.000
Title: T-38 Studies and Development Description: Studies and development (including flight test) to support Engineering Change Proposals (ECP) and other requirements (1067's) to overcome part obsolescence issues, maintain system currency, or address emerging safety concerns and T-38C Operational Flight Program (OFP) block upgrades for aircraft and aircrew training devices (ATDs) to implement interface improvements, cybersecurity enhancements, airspace mandates, or other user requirements. FY 2025 Plans: Studies and developmental activities to address parts obsolescence issues, maintain system currency, and address emerging safety concerns. FY 2026 Base Plans:		0.767	0.145	0.147	-	0.147

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025							
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training		Project (Number/Name) 676037 / T-38 Operational System Development							
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total			
Studies and developmental activities to include flight testing and Engineering Change Proposals (ECP) to address obsolescence issues and T-38C Operational Flight Program (OFP) block upgrades for aircraft and aircrew training devices (ATDs).											
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to projected ECPs											
Accomplishments/Planned Programs Subtotals				5.099	0.145	0.147	0.000	0.147			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line Item T03800: T-38	115.340	112.986	85.381	-	85.381	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The T-38 Platform Operations System Development acquisition strategy for satisfying emerging software and hardware requirements is designed to enable competition and cost control. Developmental requirements resulting from Diminishing Manufacturing Sources and Material Shortages research and reporting will be evaluated and implemented incrementally to efficiently deliver required capabilities to using commands. T-38C block upgrades will be required to maintain aircraft airworthiness and will be implemented based on Air Education and Training Command requirements. An appropriate level of technical data rights is required by all current support contracts.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>						Project (Number/Name) 676037 / <i>T-38 Operational System Development</i>			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
T-38 Studies and Development	C/FFP	The Boeing Company : St. Louis, MO	-	-		0.145	Nov 2024	0.147	Jan 2026	-		0.147	-	-	-
TARP	C/FFP	The Boeing Company : St. Louis, MO	-	4.202	Nov 2023	-		-		-		-	-	-	-
Subtotal			-	4.202		0.145		0.147		-		0.147	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Flight Testing	PO	Not specified. : TBD	-	0.767		-		-		-		-	-	-	-
Subtotal			-	0.767		-		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : NV	-	0.130		-		-		-		-	-	-	-
Subtotal			-	0.130		-		-		-		-	-	-	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	5.099		0.145		0.147		-		0.147	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training						Project (Number/Name) 676037 / T-38 Operational System Development			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
TARP T-38C																												
Displays Development																												
Displays Test																												
Recording Development																												
Recording Test																												
T-38 Studies & Development																												
Development/Test																												
Block 11 Development																												
Block 11 Test																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 676037 / T-38 Operational System Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
TARP T-38C				
Displays Development	1	2024	4	2024
Displays Test	4	2024	1	2025
Recording Development	1	2024	4	2024
Recording Test	4	2024	2	2025
T-38 Studies & Development				
Development/Test	1	2024	3	2030
Block 11 Development	1	2024	1	2024
Block 11 Test	1	2024	1	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604283F I Battle Mgmt Com & Ctrl Sensor Development							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	27.388	69.040	17.353	0.000	17.353	-	-	-	-	-	-
673587: ARSR-4 Replacement - Hawaii	0.000	27.388	69.040	17.353	0.000	17.353	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line item funds the replacement of the current Hawaii Air Route Surveillance Radar Version 4 (ARSR-4) to include prototype development, test, site preparation, and installation. The replacement radar will address DoD capability gaps driven by new threats and provide dual use for Hawaii Air Traffic Control (ATC). The new system is designated the ARSR-4 Replacement Hawaii (ARSR4R-HI) Long Range Radar (LRR). It is a key component of the integrated Homeland Defense capability for the defense of Hawaii and a high priority mission for Pacific Air Forces and the United States Indo-Pacific Command.

The ARSR4R-HI program addresses the following surveillance shortfalls:

1. Lack of surveillance capabilities to meet today's mission needs such as inability to characterize and classify targets or cover all required airspace.
2. Inability to scale and update capabilities to pace evolving threats.
3. Obsolescence associated with 1980s era ARSR-4 equipment and infrastructure leading to excessive sustainment, operations, and maintenance costs.

To address these surveillance shortfalls, development of the ARSR4R-HI system will consist of improved detection performance for modern air threats, mitigate new interference sources, and utilize state of the art surveillance technologies and processing capabilities. The ARSR4R-HI solution is based on a non-rotating, multi-panel, phased array radar system which provides persistent surveillance with improved accuracy and detection performance supporting an advanced engagement sequence to counter modern threats with target cueing and fire control quality data.

The ARSR4R-HI components include a ground based surveillance radar, radar dome, associated shelters, and other smaller Government Furnished Equipment (GFE) items. The DoD currently owns the site for the location of the installation and the FAA leases the site.

The ARSR4R-HI program includes the award of two Rapid Prototype Development capability demonstration contracts (Phase I) followed by down-select (Phase II) to a single vendor for Non-Recurring Engineering (NRE), mature prototype delivery, installation, interface with Command and Control (C2) nodes, and test of the new radar at the Mt. Ka'ala site.

The FY 2026 cost of the ARSR4R-HI Middle Tier of Acquisition effort is reflected in the budget request, including RDT&E and procurement of prototype units. The Department will certify FYDP funding in a future budget submission.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0604283F I Battle Mgmt Com & Ctrl Sensor Development				
The FY 2026 request for ARSR4R-HI includes 17.4 million of discretionary and 150.0 million of mandatory (reconciliation) funds for a total of 167.4 million. The mandatory (150.0 million) funds, along with 45.7 million of FY 2025 funding, enable award of the Phase II prototype system contract. Further information for this reconciliation request is provided in Section 20003 of the Reconciliation Exhibit.						
The FY 2026 request was reduced by 0.136 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 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 2024, 0.599 million was expended for civilian pay expenses in this program element, and in FY 2025 1.955 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		40.000	100.183	10.045	0.000	10.045
Current President's Budget		27.388	69.040	17.353	0.000	17.353
Total Adjustments		-12.612	-31.143	7.308	0.000	7.308
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-31.143			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-11.325	0.000			
• SBIR/STTR Transfer		-1.287	0.000			
• Other Adjustments		0.000	0.000	7.308	0.000	7.308
Change Summary Explanation						
FY 2024 reduction reflects \$1.287 million SIBR assessment new start delay. Along with program office standup, funding release delayed until May 2025. As a result, \$3.825 million reprogrammed to the Air Force Integrated Personnel and Pay System for an unfunded requirement and \$7.700 million used as a FY 2024 Omnibus source.						
FY2025 congressional directed \$31.143 million reduction - "program delay"						
FY 2026 \$7.497 million increase restores funds used as FY2024 Omnibus source						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0604283F / <i>Battle Mgmt Com & Ctrl Sensor Development</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: ARSR-4 Replacement Hawaii (ARSR4R-HI) Description: The ARSR4R-HI will be the Ground-Based detection, discrimination, and tracking radar to support defense of Hawaii. It will enable integrated fire control and engagement support. It will replace the current ARSR-4 radar located on Mount Ka'ala (4,019 ft in elevation), Oahu, Hawaii. The radar will provide data to multiple DoD and FAA missions simultaneously, including Area Air Defense (AAD), Air Traffic Control (ATC), and Traffic Management. The radar suite will provide capability to process modern threats (air cruise missiles), provide increased sensitivity using mature state of the art technologies, increase performance in multi-mission operations, provide modularity, flexibility, and growth opportunities. FY 2025 Plans: - Continue all statutory and regulatory efforts with respect to Middle Tier Acquisition (MTA) documentation. - Award two Phase I Other Transactional Authority (OTA) contracts. The OTA contracts each include capability demonstrations, a preliminary design review, and prototype system cost estimate. - Conduct analysis of capability demonstrations and evaluate prototype radar cost proposals in order to down-select to a single vendor based on best performance for best cost. - Continue preparation of site infrastructure schedules and design documents for uninterruptable power system, radar cooling/heat exchanger facility, data networks, and radar tower pad/platform. FY 2026 Plans: - Will award Phase II Federal Acquisition Regulation (FAR) Part 15 Middle Tier Rapid Prototyping contract to a single contractor to develop/deliver a prototype system consisting of one ground-based primary radar and one secondary radar (beacon) integrated through an electronics suite with the ability to connect to and communicate with appropriate Command and Communication nodes. - Will continue site infrastructure design and begin site preparation - Will begin fabrication of long lead items (36 month effort) - Will conduct Critical Design review - Will begin prototype system non recurring engineering - Will begin Software development FY 2025 to FY 2026 Increase/Decrease Statement: The FY 2026 decrease reflects just the ARSR4R-HI discretionary funds. FY 2026 ARSR4R-HI funding also includes a mandatory funding increase of \$150.0 million. Increased funding enables award of the Phase II prototype system development contract to a single vendor and continuation of site preparation.		27.388	69.040	17.353
Accomplishments/Planned Programs Subtotals		27.388	69.040	17.353

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
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 0604283F / <i>Battle Mgmt Com & Ctrl Sensor Development</i>	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy <p>In order to meet the PACAF/INDOPACOM DoD/FAA urgent mission needs, a Middle Tier of Acquisition Rapid Development strategy is planned for the ARSR4R-HI replacement system. The acquisition strategy will include demonstration of two capable systems and down select to a single vendor.</p> <p>Demonstrations will be conducted utilizing Other Transaction Authority contracts. Following down select, a single FAR Part 15 contract will be awarded to deliver, install, and test the prototype system on Mt. Ka'ala. Other activities in support of this acquisition will be executed via Military Inter-Departmental Purchase Requests (MIPR), and Project Orders with various organizations as required.</p> <p>This effort is being maintained in the office of Air Force Program Executive Officer (Electronic Systems). Program support, cost, contracts, logistics, and financial management support is managed by Air Force Life Cycle Management Center Aerospace Management Systems Division (AFLCMC/HBA).</p> <p>Following IOC system sustainment will be provided by two, one-year options for Interim Contractor Support (ICS) in FY 2030 and FY 2031. The National Airspace System Defense Program /Long Range Radar Joint Program Office (NAS/LRR JPO) will provide long-term Operations and Sustainment in FY32 and beyond.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604283F / Battle Mgmt Com & Ctrl Sensor Development					Project (Number/Name) 673587 / ARSR-4 Replacement - Hawaii				
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ARSR-4 Replacement Hawaii Vendor Demonstration A (Phase 1)	C/FFP	AFLCMC/HBA : HAFB, MA	-	8.731	Apr 2025	3.255	Apr 2025	-		-		-	-	-	-
ARSR-4 Replacement Hawaii Vendor Demonstration B (Phase 1)	C/FFP	AFLCMC/HBA : HAFB, MA	-	8.731	Apr 2025	3.250	Apr 2025	-		-		-	-	-	-
ARSR-4 Replacement Hawaii Site Preparation	MIPR	FAA : Michael Monroney Ctr, OK	-	0.000	Jan 2025	2.476	Jun 2025	7.430	Apr 2026	-		7.430	-	-	-
ARSR-4 Replacement Hawaii Contract Award (Phase II)	C/CPFF	AFLCMC/HBA : HAFB, MA	-	0.000	Feb 2026	47.105	Feb 2026	0.000	Feb 2026	-		0.000	-	-	-
Subtotal			-	17.462		56.086		7.430		-		7.430	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	MIPR	DOT FAA : Washington, DC	-	6.390	Mar 2024	7.127	Dec 2024	4.327	Dec 2025	-		4.327	-	-	-
Research/Analysis	MIPR	DOT FAA / MITRE : Washington, DC	-	1.308	Mar 2024	1.607	Dec 2024	1.307	Dec 2025	-		1.307	-	-	-
Spectrum Certification	MIPR	AFLCMC/EZAC : Wright-Patterson, OH	-	-		0.000	Dec 2024	0.290	Dec 2025	-		0.290	-	-	-
Cyber Certification	MIPR	AFLCMC/EZC : Hanscom, MA	-	-		0.100	Dec 2024	-		-		-	-	-	-
Subtotal			-	7.698		8.834		5.924		-		5.924	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604283F / Battle Mgmt Com & Ctrl Sensor Development					Project (Number/Name) 673587 / ARSR-4 Replacement - Hawaii				
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	46th Test Squadron : Eglin AFB, FL	-	0.120	Jul 2024	0.450	Dec 2024	0.000	Jan 2026	-		0.000	-	-	-
Subtotal			-	0.120		0.450		0.000		-		0.000	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Authorization	Allot	AFLCMC/FZA: TBD : TBD	-	0.599	May 2024	1.955	Dec 2024	2.000	Dec 2025	-		2.000	-	-	-
Program Support Cost (PSC) - Other Government Cost	Allot	AFLCMC/HBA : Hanscom AFB, MA	-	0.159	May 2024	0.415	Dec 2024	0.250	Dec 2025	-		0.250	-	-	-
Program Support Cost (PSC)	C/CPFF	Various : Hanscom AFB, MA	-	1.350	May 2024	1.300	Dec 2024	1.400	Dec 2025	-		1.400	-	-	-
GTRI Test	C/CPFF	AFLCMC/HBA : Lincoln, MA	-	-		-		0.349		-		0.349	-	-	-
Subtotal			-	2.108		3.670		3.999		-		3.999	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	27.388		69.040		17.353		-		17.353	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604283F / <i>Battle Mgmt Com & Ctrl Sensor Development</i>		Project (Number/Name) 673587 / <i>ARSR-4 Replacement - Hawaii</i>	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
ARSR-4 Replacement Hawaii (ARSR4R-HI)																												
ARSR-4 Replacement Hawaii (ARSR4R-HI)																												
Requirements Development																												
FAA Site Preparation																												
Phase I - Operational Capability (Vendor Demonstrations)																												
-- RFP Release (5-Aug-2024)																												
-- Proposals Received (18-Sep-2024) - updated proposals (Jan-2025)																												
-- Source Selection																												
--Demonstrations/Contract Award (Apr-2025)																												
-- SRR/SFR/PDR																												
-- Demonstrations (2-Vendors)																												
Phase II - Prototype Development, Install, and Operational Acceptance																												
-- RFP Release (Phase-2) Sep 2025																												
-- Down Select / Prototype Contract Award Feb 2026																												
-- Prototype NRE, Delivery, Installation, Developmental Test																												
-- Operational Utility Evaluation (OUE) and National Airspace System (NAS) Certification																												
IOC / FOC																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604283F / <i>Battle Mgmt Com & Ctrl Sensor Development</i>	Project (Number/Name) 673587 / <i>ARSR-4 Replacement - Hawaii</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ARSR-4 Replacement Hawaii (ARSR4R-HI)				
ARSR-4 Replacement Hawaii (ARSR4R-HI)	1	2024	4	2029
Requirements Development	1	2024	4	2024
FAA Site Preparation	3	2025	4	2027
Phase I - Operational Capability (Vendor) Demonstrations	4	2024	4	2025
-- RFP Release (5-Aug-2024)	4	2024	4	2024
-- Proposals Received (18-Sep-2024) - updated proposals (Jan-2025)	2	2025	2	2025
-- Source Selection	2	2025	3	2025
--Demonstrations/Contract Award (Apr-2025)	3	2025	3	2025
-- SRR/SFR/PDR	4	2025	4	2025
-- Demonstrations (2-Vendors)	4	2025	4	2025
Phase II - Prototype Development, Install, and Operational Acceptance	3	2025	4	2029
-- RFP Release (Phase-2) Sep 2025	4	2025	4	2025
-- Down Select / Prototype Contract Award Feb 2026	2	2026	2	2026
-- Prototype NRE, Delivery, Installation, Developmental Test	2	2026	3	2029
-- Operational Utility Evaluation (OUE) and National Airspace System (NAS) Certification	1	2029	3	2029
IOC / FOC	3	2029	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604445F I Wide Area Surveillance							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	9.269	21.443	0.000	0.000	0.000	-	-	-	-	-	-
675899: Wide Area Surveillance	0.000	9.269	21.443	0.000	0.000	0.000	-	-	-	-	-	-
Program MDAP/MAIS Code: 519												
A. Mission Description and Budget Item Justification												
Wide Area Surveillance (WAS) consists of two advanced sensor systems, the Stateside Affordable Radar System (STARS) and Scorpion. Based on existing technological capabilities, WAS detects/tracks low, slow and other asymmetrical threats in the airspace and meets the user needs by sensing airborne targets in complex environments with affordable sensors. The sensor outputs will be incorporated into the Battle Control Systems-Fixed (BCS-F) air picture and utilized as the North American Aerospace Defense Command/ Northern Command (NORAD/NORTHCOM) Command and Control (C2) air surveillance system of record.												
Some aspects of the WAS program are classified and will be provided on a need-to-know basis.												
This program element may include necessary civilian pay expenses required to manage, execute, and deliver Wide Area Surveillance 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 FY24 \$0.000 million was expended for civilian pay expenses in this program element, and in FY25 \$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.												
B. Program Change Summary (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total				
Previous President's Budget				8.018	21.443	0.000	0.000	0.000				
Current President's Budget				9.269	21.443	0.000	0.000	0.000				
Total Adjustments				1.251	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				1.251	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	0.000	0.000	0.000				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604445F / Wide Area Surveillance				Project (Number/Name) 675899 / Wide Area Surveillance			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675899: Wide Area Surveillance	0.000	9.269	21.443	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Wide Area Surveillance (WAS) consists of two complementary advanced sensor systems, the Stateside Affordable Radar System (STARS) and Scorpion. Based on existing technological capabilities, WAS detects/tracks low, slow and other asymmetrical threats in the airspace and meets the user needs by sensing stressing airborne targets in complex environments with affordable sensors. The sensor outputs are incorporated into the Battle Control Systems-Fixed (BCS-F) air picture and utilized as the North American Aerospace Defense Command/ Northern Command (NORAD/NORTHCOM) Command and Control (C2) air surveillance system of record. This effort is for a S1 Block 2 for the STARS system.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Wide Area Surveillance 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 FY24 0.000 million was expended for civilian pay expenses in this program element, and in FY25 0.000 million is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: STARS (S1) Block 2 Modernization and Scorpion (S2) testing	9.269	21.443	0.000
Description: Development, Testing & Fielding			
FY 2025 Plans: Activities include, but are not limited to: - Complete engineering, development, and testing to upgrade MVP to full S1 Block 2 system - Conduct S1 Block 2 and S2 testing to inform program FOC decision			
FY 2026 Plans: No FY26 funding is appropriated			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased from FY25 to FY26 due to completion of S1 Blk II development effort			
Accomplishments/Planned Programs Subtotals	9.269	21.443	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0604445F / <i>Wide Area Surveillance</i>			Project (Number/Name) 675899 / <i>Wide Area Surveillance</i>	

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 Line Item 834240: <i>Wide Area Surveillance</i>	13.886	13.945	29.617	-	29.617	-	-	-	-	-	-
• OPAF 05 861900: <i>Spares and repair parts</i>	3.142	0.000	0.000	-	0.000	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The Wide Area Surveillance (WAS) strategy is a single step acquisition approach for full capability to develop, produce, and field highly capable and sustainable advanced sensors in the National Capital Region. Science & technology contracts were let prior to the Engineering and Manufacturing Development phase for both subsystems. The Cost Plus Fixed-Fee (CPFF) contract for Stateside Affordable Radar System (STARS) was awarded to a single developer to design, build, integrate, and test the STARS system. A subsequent task order was awarded (July 2017) to include pre-operational site support. The CPFF contract for Scorpion was awarded (August 2017) to a single developer to complete the design, build, integration, and testing of the Scorpion system, and conduct pre-operational site support. The pre-operational portion of the contract for the Scorpion system transitioned to Interim Contract Support (ICS) in December 2018 and, STARS system transitioned to ICS in June 2019. The ICS portion of both the Scorpion system and the STARS system contracts transitioned to Contractor Logistics Support (CLS) in July 2021. This strategy includes a single delivery approach with 5 STARS and 84 Scorpion systems for a total of 89 sub-systems delivered to achieve FOC. RDT&E funds support a Block 2 version of the fielded STARS system and software and hardware development.

Air Force Program Executive Officer (PEO) Electronic Systems (AFPEO Electronic Systems) is the PEO for WAS. Air Force Life Cycle Management Center (AFLCMC) is the Contracting Authority for the WAS program and provides contracts, legal, and comptroller support. AFPEO Electronic Systems is the program's Milestone Decision Authority (MDA).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604445F / Wide Area Surveillance				Project (Number/Name) 675899 / Wide Area Surveillance					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Wide Area Surveillance (WAS) S1 Block 2 MVP NRE	SS/CPFF	Raytheon : El Segundo, CA	0.000	0.288	Jan 2024	0.169	May 2025	-		-		-	-	-	0.000
Wide Area Surveillance (WAS) S1 Block 2 MVP Development	SS/CPFF	Raytheon : El Segundo, CA	0.000	8.931	Mar 2024	3.683	Dec 2024	-		-		-	-	-	-
Wide Area Suveillance (WAS) S1 Full Block 2 Development	SS/CPFF	Raytheon : El Segundo, CA	0.000	-		15.564	Dec 2024	-		-		-	-	-	-
Subtotal			0.000	9.219		19.416		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	46 Test Squadron : Eglin AFB, FL	0.000	0.050	Jan 2024	0.319	Oct 2024	-		-		-	-	-	-
Subtotal			0.000	0.050		0.319		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Cost	Various	AFLCMC/HBDB : Hanscom AFB, MA	0.000	-		1.708	Jul 2025	-		-		-	-	-	-
Subtotal			0.000	-		1.708		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	9.269		21.443		-		-		-	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0604445F / Wide Area Surveillance					675899 / Wide Area Surveillance				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Wide Area Surveillance																												
STARS Block 2 Development Effort																												
STARS Block 2 MVP Development Test																												
STARS Block 2 Development Test																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604445F / Wide Area Surveillance	Project (Number/Name) 675899 / Wide Area Surveillance	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Wide Area Surveillance				
STARS Block 2 Development Effort	1	2024	2	2025
STARS Block 2 MVP Development Test	3	2025	3	2025
STARS Block 2 Development Test	1	2026	1	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604617F I Agile Combat Support							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	5.446	0.000	0.000	0.000	0.000	-	-	-	-	-	-
675218: Applications Development	0.000	5.446	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program is part of the overarching Kessel Run portfolio. In FY 2023, PE 0207522F, Airbase Air Defense Systems (ABADS), Project 675218, Applications Development efforts are transferred to PE 0604617F, Agile Combat Support (ACS), Project 675218, Applications Development.

Global all-hazards/threats to Department of the Air Force (DAF) installations continues to generate substantial risk to tactical, operational, and strategic missions. The DAF Emergency Management (EM) program builds secure and resilient installations with integrated, adaptable, and interoperable whole-of-community common core capabilities required across the range of military operations to prevent, protect against, mitigate, respond to, and recover from all-hazards/threats. The EM program is primarily concerned with natural, technological, and human-caused hazards/threats that pose the greatest risk to lives, resources, facilities, infrastructure, and mission assets. Included is DAF support to civil and host nation authorities; anti-terrorism programs; and Countering Weapons of Mass Destruction (CWMD). Included is DAF support to civil and host nation authorities; anti-terrorism programs; and Countering Weapons of Mass Destruction (CWMD). DAF EMIS shared battle space awareness is a critical enabler of DAF functions to deploy, employ, maneuver, and survive to operate in and through highly contested and degraded operational environments.

Development of a DAF Emergency Management Information System (EMIS) will excavate, consolidate, correlate, and propagate interoperable authoritative information to and from diverse mission partners (e.g., local, state, tribal, federal, higher headquarters, joint, and allied). It will generate the ability to collaborate with multi-jurisdictional partners and manage resources to save lives, mitigate resource loss, and continue operational missions. Included are capabilities to compress decision-making cycles; propagate a tactical, operational, and strategic Common Operating Picture (COP); and facilitate convergence of information through sensing, making sense, and taking action. DAF EMIS will enhance complex multi-jurisdictional/mission partner interoperability through use of common terminology, a COP, standardized processes, data sharing, and systematic methods. DAF EMIS interoperable informational capabilities are rooted in and support Homeland Security Presidential Directive 5 (HSPD-5), Management of Domestic Incidents , Presidential Policy Directive 8, National Preparedness , the Department of Homeland Security (DHS) National Planning Framework/Mission Areas, the National Preparedness System, the National Incident Management System (NIMS), Incident Command System (ICS), and explicit requirements expressed in DoD/DAF Emergency Management; CWMD; and Chemical, Biological, Radiological, and Nuclear (CBRN) Defense doctrine/ policy. DAF EMIS requirements support SecAF operational imperatives, the AF/A4 Basing and Logistics Enterprise Strategy (BLES), the Air Force Advanced Battle Management System (ABMS), and the Joint All Domain Command and Control (JADC2) construct.

DAF EMIS requirements will be filled through agile development and new additive capabilities by leveraging the Command and Control Incident Management Emergency Response Application (C2IMERA). This tool is an installation Command and Control (C2) situational awareness and decision making capability and allows DAF EMIS to connect and integrate with the Air Force user base and C2 nodes including mission execution to include the application of air/space power authorities

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0604617F I Agile Combat Support				
during crisis response operations/major combat operations. The alignment of DAF EMIS (e.g., AF/A4 delegated authorities for EM & CBRN defense) within and through C2IMERA provides significant synergistic effects regarding cost burden sharing to include advancing response/ recovery outcomes in support of DAF tactical, operational, and strategic war-fighting capabilities.						
Through RDT&E funding and agile development DAF EMIS will develop and deliver cross-cutting common core whole-of-community informational capabilities to 1) identify and manage all-hazard/threat risk to protected assets; 2) enhance planning and resource posturing and delivery; 3) support hazard/threat specific community resiliency training; 4) facilitate EM exercise planning and execution; 5) inform and warn the populace/public/higher headquarters; and 6) support incident/attack command and coordination during response and recovery operations.						
Included are DAF EMIS capabilities synchronized with DHS planning framework/mission area information capabilities to 1) prevent a threatened or an actual act of terrorism and/or nation state adversary attack through consolidating and disseminating select threat information; 2) protect lives, resources, mission assets through escalation of physical protective measures (e.g., sheltering, evacuation, hardening, etc.) to include capturing and displaying mission partner CBRN hazard COP elements; 3) mitigate the impact, severity, or consequences for community determined hazard/threat vulnerabilities (and build resiliency); 4) respond to save lives, stabilize the incident, protect personnel/assets, meet basic human needs, and set the stage for initial recovery; and 5) recover the installation by stabilizing infrastructure and restoring lifeline systems through whole-of-community collaboration (e.g., water, electrical systems, cyber systems, communications, shelter, transportation, and hazardous material), meeting the needs of individuals/the installation/local community, and prioritizing recovery of near and long-term mission generation ability.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		5.645	0.000	0.000	0.000	0.000
Current President's Budget		5.446	0.000	0.000	0.000	0.000
Total Adjustments		-0.199	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		-0.199	0.000	0.000	0.000	0.000
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Department of the Air Force Emergency Management Information System (DAF EMIS)				5.446	0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0604617F / <i>Agile Combat Support</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: DAF EMIS supports the ability to prepare for, prevent, protect against, mitigate, respond to, and recover from the greatest hazards/threats at tactical, operational, and strategic levels; it allows information to be shared and exchanged across the DAF enterprise and other relevant external agencies within the Continental United States (CONUS) and Outside the Continental United States (OCONUS) Air Force Installations. FY 2025 Plans: -Incorporate emergent near-real time all-domain sensor data and visualization into Common Operating Pictures (COPs). -Integrate sensors/drones to assess post incident/attack impacts regarding the surrounding community and installation infrastructure status - increase response/recovery actions while reducing risk to personnel. -Bridge Emergency Management (EM) related cross-domain (NIPR/SIPR) interoperable hazard/threat and effects data gaps between Local, State, Federal, Joint, and partner nations. -Continue with the extension of cross-domain capabilities to support full data synchronization between the NIPR and SIPR C2IMERA instances to facilitate the JADC2 construct. -Generate 3-Dimensional (3D) geospatial mapping. -Continue to support the Agile Dev Ops development of enhanced software and software architecture to make the system more scalable, add additional integrations and enhance data automation, and increase interoperability across CONUS and OCONUS DAF Installations. -Will lead and manage the program through daily interaction with contractor and key stakeholders. -Will identify, monitor, mitigate, and report program and FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		5.446	0.000	0.000
D. Other Program Funding Summary (\$ in Millions) N/A Remarks 				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0604617F I Agile Combat Support	
<p>E. Acquisition Strategy</p> <p>The acquisition strategy builds on agile software engineering methodologies and modernization of existing capabilities utilizing evolutionary acquisition. In FY21, the acquisition strategy transitioned to the Software Acquisition Pathway to support the continuous integration/continuous deliver (CI/CD) agile methodology. This program is part of the overarching Kessel Run portfolio and is dependent on support from the All Domain Common Platform (ADCP).</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604617F / Agile Combat Support						Project (Number/Name) 675218 / Applications Development			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DAF EMIS Development	C/Various	Leidos : Reston, VA	-	4.933	Nov 2023	-		-		-		-	-	-	-
Subtotal			-	4.933		-		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DAF EMIS Program Management Administration	TBD	Not specified. : TBD	-	0.513	Oct 2023	-		-		-		-	-	-	-
Subtotal			-	0.513		-		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	5.446		-		-		-		-	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0604617F / Agile Combat Support

Project (Number/Name)
675218 / Applications Development

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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																												
DAF EMIS Software development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604617F / Agile Combat Support	Project (Number/Name) 675218 / Applications Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Software development				
DAF EMIS Software development	1	2024	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2
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COST (\$ in Millions)	Prior Years ⁽⁺⁾	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	3,378.054	1,236.710	1,134.207	1,182.094	0.000	1,182.094	-	-	-	-	-	-
673501: <i>Air Vehicle - Tech Refresh 3</i>	243.761	98.073	0.000	1.212	0.000	1.212	-	-	-	-	-	-
673502: <i>Air Vehicle Block 4 Planning & Sys Eng</i>	635.169	393.925	179.043	431.867	0.000	431.867	-	-	-	-	-	-
673503: <i>Test and Evaluation (T&E)</i>	474.516	261.303	422.627	289.578	0.000	289.578	-	-	-	-	-	-
673504: <i>Propulsion (PP)</i>	196.640	170.051	267.962	120.967	0.000	120.967	-	-	-	-	-	-
673505: <i>Maintenance Systems (MxS)</i>	91.711	35.448	33.741	39.573	0.000	39.573	-	-	-	-	-	-
673506: <i>Combat Data Systems (CDS)</i>	90.781	49.969	29.955	46.716	0.000	46.716	-	-	-	-	-	-
673507: <i>Training Systems & Simulation</i>	164.462	61.472	54.987	74.332	0.000	74.332	-	-	-	-	-	-
673508: <i>Infrastructure & Support Costs</i>	130.342	131.439	84.758	130.313	0.000	130.313	-	-	-	-	-	-
673509: <i>DevSecOps</i>	40.768	18.425	23.540	19.870	0.000	19.870	-	-	-	-	-	-
673510: <i>Utility and Subsystem Support to Mission Systems</i>	0.000	16.263	37.251	27.332	0.000	27.332	-	-	-	-	-	-
674871: <i>Information Operations Technology</i>	0.000	0.342	0.343	0.334	0.000	0.334	-	-	-	-	-	-

Program MDAP/MAIS Code: 198

⁽⁺⁾ The sum of all Prior Years is \$1309.904 million less than the represented total due to several projects ending

A. Mission Description and Budget Item Justification

The F-35 Joint Strike Fighter (JSF) Program will develop and field an affordable, highly common family of next generation strike aircraft for the United States Air Force, United States Navy, United States Marine Corps and International Partners countries. There are three variants: the F-35A Conventional Takeoff and Landing (CTOL), F-35B Short Take Off and Vertical Landing (STOVL), and the F-35C Carrier Variant (CV). Maximum commonality among the variants, consistent with National Disclosure Policy, will minimize total air system life cycle costs. Planning, systems engineering, development, and testing for Block 4 continues across the F-35 Air

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	
<p>System to include the air vehicle, propulsion system, combat data systems, maintenance systems, and training systems as Initial Operational Capability (IOC) has been met for each variant.</p> <p>The JSF Continuous Capability Development & Delivery (C2D2) efforts provide incremental warfighting capability improvements to maintain joint air dominance against evolving threats. Block 4 capability requirements were initiated through ongoing Service-led operational analysis of warfighting gaps identified in the Fifth Generation Fighter Modernization Initial Capabilities Document (ICD), and through F-35 JSF Block 4 Mission Decomposition analysis completed in FY 2014. These analyses served as the basis for the Block 4 Capability Development Document (CDD), staffed through the Air Force Requirements Oversight Council (AFROC) and signed by the USAF Chief of Staff in January 2015. Joint Requirements Oversight Council (JROC) approved the CDD on 21 March 2017. Modernization activities in FY 2026 continue with the incremental releases of Block 4 capabilities. Block 4 efforts include a robust weapons integration portfolio and provide new opportunities for International Partners to assess, integrate, and field unique capabilities based on global sovereign requirements.</p> <p>The United Kingdom, Italy, Netherlands, Canada, Australia, Denmark and Norway are participants in F-35 modernization. The program shown here reflects United States Air Force funding. Foreign Military Sales are ongoing separately.</p> <p>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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.</p> <p>The FY 2026 request was reduced by \$1.7M 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."</p> <p>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.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0604840F I F-35 C2D2			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	1,275.268	1,124.207	1,192.420	0.000	1,192.420
Current President's Budget	1,236.710	1,134.207	1,182.094	0.000	1,182.094
Total Adjustments	-38.558	10.000	-10.326	0.000	-10.326
• Congressional General Reductions	-6.993	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	-31.565	0.000			
• Other Adjustments	0.000	0.000	-10.326	0.000	-10.326
Change Summary Explanation					
Increase from FY2025 to FY2026 is to support the F-35 Block 4 Subprogram in optimizing Air System delivery for operational readiness.					
FY2025 Congressional Add (+\$10.0M) to support the Power Thermal Management Upgrade.					
FY2024 values have been updated based on actuals to date. FY2024 funding reduced by \$5.0M for Air Force requested transfer to Software Programmable OMS Compliant (SPoC) radio and \$1.993M for support costs excess to need.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673501: Air Vehicle - Tech Refresh 3	243.761	98.073	0.000	1.212	0.000	1.212	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Technology Refresh 3 (TR-3) conducts post Critical Design Review (CDR) design activities. This effort will develop and deliver a TR-3 system through full flight-worthy certification and production readiness review for Lot 15. The design of TR-3 subsystems Integrated Core Processor (ICP), Aircraft Memory System (AMS), and Panoramic Cockpit Display Electronics Unit and Display Unit (PCD-EU, PCD-DU) configurations will contain new backplane technology, commercial operating systems, and modified middleware necessary to support Block 3F functionality and incorporation of all Block 4 capabilities. This work includes nonrecurring engineering for the development, test, and certification of the ICP, AMS, PCD-EU, and PCD-DU, and includes processing capacity to ensure long term viability for future 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 element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Technology Refresh 3 (TR-3)	98.073	0.000	1.212	0.000	1.212
Description: Technology Refresh 3 (TR-3) conducts post Critical Design Review (CDR) design activities. This effort will develop and deliver a TR-3 system through full flight-worthy certification and production readiness review. The design of TR-3 subsystems Integrated Core Processor (ICP), Aircraft Memory System (AMS), and Panoramic Cockpit Display Electronics Unit and Display Unit (PCD-EU, PCD-DU) configurations will contain new backplane technology, commercial operating systems, and modified middleware necessary to support Block 3F functionality and incorporation of all Block 4 capabilities. This work includes nonrecurring engineering for the development, test, and certification of the ICP, AMS, PCD-EU, and PCD-DU, and includes processing capacity to ensure long term viability for future capabilities.					
FY 2025 Plans: N/A					
FY 2026 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>The TR-3 program will continue the completion of the final laboratory system integration and test, and system certification requirements for fleet fielding.</p> <p>FY 2026 OOC Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 increased to ensure the Air Force and Navy provide equal funding to complete the TR-3 effort. FY 2026 decreased compared to the actual FY 2025 funding due to funding realignments from the other BPACs within PE 0604800F to cover TR-3 cost overruns.</p>					
Accomplishments/Planned Programs Subtotals	98.073	0.000	1.212	0.000	1.212

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

Remarks

D. Acquisition Strategy
 The Technology Refresh-3 program is a delivery order part of a larger F-35 Joint Program Office Basic Ordering Agreement. The acquisition strategy for this delivery order employs a Cost Plus Incentive Fee for engineering and development of the Integrated Core Processor, Panoramic Cockpit Display, and Aircraft Memory System. This eliminates the current Diminishing Manufacturing Source for Technology Refresh-2. Additionally, brings open mission systems standards to the F-35 and enables new Embedded Training and Next Generation Distributed Aperture System capabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TR-3 Prime Development	C/CPIF	LM : Fort Worth, TX	233.312	98.073	Jun 2024	-		1.212	Oct 2025	-		1.212	-	-	-
TR-3 Prime Next GenDAS Shipsets Proc	C/CPIF	LM : Fort Worth, TX	6.146	-		-		-		-		-	-	-	-
TR-3 Prime OT NRE	C/CPIF	LM : Fort Worth, TX	2.049	-		-		-		-		-	-	-	-
TR-3 Prime OT NextGen DAS NRE	C/CPIF	LM : Fort Worth, TX	2.049	-		-		-		-		-	-	-	-
Subtotal			243.556	98.073		-		1.212		-		1.212	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TR-3 Project Support	MIPR	Various : TBD	0.205	-		-		-		-		-	-	-	-
Subtotal			0.205	-		-		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			243.761	98.073		-		1.212		-		1.212	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0604840F / F-35 C2D2					673501 / Air Vehicle - Tech Refresh 3				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673501																												
Perform Final Hardware Qualification Testing																												
Perform TR-3 Flight Test																												
Production Hardware Deliveries																												
Production Software Available																												
1st Aircraft Lot 15 DD250																												
40R01 Combat Training Capable																												
40R02 Operationally Combat Capable																												
2nd Aircraft Lot 15 DD250																												
TR3 Complete																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673501				
Perform Final Hardware Qualification Testing	4	2024	4	2025
Perform TR-3 Flight Test	1	2024	4	2024
Production Hardware Deliveries	1	2024	4	2025
Production Software Available	1	2024	4	2024
1st Aircraft Lot 15 DD250	3	2024	4	2024
40R01 Combat Training Capable	1	2024	4	2024
40R02 Operationally Combat Capable	2	2025	4	2025
2nd Aircraft Lot 15 DD250	3	2025	4	2025
TR3 Complete	4	2025	1	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673502: Air Vehicle Block 4 Planning & Sys Eng	635.169	393.925	179.043	431.867	0.000	431.867	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F-35 Air Vehicle Program Management Office (AV PMO) development portfolio includes efforts to improve the F-35 air vehicle lethality, survivability, and interoperability in response to emerging threats outlined in the National Security Strategy and Operational Plans. The AV PMO delivers these capabilities utilizing a Continuous Capability Development and Delivery (C2D2) strategy combining traditional hardware upgrades and agile software integration processes.

F-35 Block 4 Modernization is designed to counter the full spectrum of evolving near-peer enemy threats to ensure US and Allied forces have freedom of operation even in the face of advanced adversary Anti-Access/Area Denial (A2/AD) capabilities. As designed, Block 4 consists of three principle lines of effort: development of software-based capabilities, development and integration of new and modernized aircraft hardware which enable the development of new capabilities, and new weapons integration. Efforts under the Air Vehicle / Block 4 Planning and Systems Engineering project range from requirements decomposition and preliminary design of capabilities through completion of Developmental Flight Test. These activities are a continuation of the previous Block 4 developmental contracts, and include activities required to enable the successful completion of Flight Test, to include select facility upgrades required for research, development, test and evaluation. Block 4 upgraded capabilities and continuous improvements will maintain Air System viability against the evolving threats indicated in the Electronic Warfare Initial Capabilities Document (ICD), the Fifth Generation Fighter Modernization ICD, and the Block 4 Capability Development Document (CDD). Additionally, the Block 4 capabilities will reduce life cycle cost, improve Air System Integration, and improve operational suitability. Weapons integration efforts under this project deliver increased lethality, effectiveness, situational awareness and operational flexibility, and include M-code GPS compatibility, Advanced Integrated Fire Control implementation, network enabled weapons, increased Air-to-Air missile carriage, and employment envelope expansion. Beyond Line of Sight (BLOS) efforts under this project will deliver increased range and effectiveness of the F-35, by providing improved interoperability across joint platforms within a highly contested environment.

Included in the Air Vehicle (AV)/Block 4 Planning and Systems Engineering effort is both Prime and Government Systems Engineering Support needed for Avionics/ Electronic Warfare and Weapons Integration efforts to include studies, analysis and risk reduction 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. In FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Air Vehicle Block 4 Planning & Sys Eng	393.925	179.043	431.867	0.000	431.867

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025					
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng				
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: The F-35 Air Vehicle Program Management Office (AV PMO) development portfolio includes efforts to improve the F-35 air vehicle lethality, survivability, and interoperability in response to emerging threats outlined in the National Security Strategy and Operational Plans. As designed, Block 4 consists of three principle lines of effort: development of software-based capabilities, development and integration of new and modernized aircraft hardware which enable the development of new capabilities, and new weapons integration. Included in the AV/Block 4 Planning and Systems Engineering effort is both Prime and Government Systems Engineering Support needed for Avionics/Electronic Warfare and Weapons Integration efforts to include studies, analysis and risk reduction efforts.</p> <p>FY 2025 Plans: Continued with Agile development of capabilities through Developmental and Operational Flight Test. Continued requirements decomposition and preliminary design activities for advanced Block 4 capabilities. Continued development and maturity of key long lead capabilities and service unique weapons, enabling A2AD strategies including increased payloads, integrated fires, passive weapons, interoperability, and multi-spectrum dominance in response to near-peer threats. Initiated development of enhanced cyber detection and mitigation capability for the F-35 in response to critical and emerging threats. Continued the application of cyber resilience engineering processes and tools for software, hardware, and weapons, though flight test. Continued the application of cyber resilient engineering processes and tools for software, hardware, and weapons, though flight test. Continued development and timely delivery of software drops to meet warfighter need. Continued supporting efforts for airframe, air vehicle systems, Air-Ship integration, including Electromagnetic aircraft launch system advanced arresting gear (EMALS-AAG) launch bulletins and related work, mission systems, future capabilities studies and weapons integration efforts. Continued support for Block 4 Capabilities and advance systems engineering efforts associated with AARGM-ER, AGM-158 family of weapons, and increased air-to-air missile carriage. Continued systems engineering, integration, and test development for avionics, sensors, weapons, studies & analyses, and risk reduction efforts.</p> <p>FY 2026 Base Plans: Continue and expand Agile development of capabilities through Developmental and Operational Flight Test. Continue requirements decomposition, preliminary design, and engineering and manufacturing development activities for advanced Block 4 capability improvements to Radar, Electronic Warfare, Electro-Optical/Infrared (EO/IR), and Communication, Navigation, and Identification (CNI) sub-systems. Continue development and maturity of key long lead capabilities and service unique weapons, enabling counter Anti-Access/Area Denial (A2AD) strategies including increased payloads, joint integrated fires, passive weapons, interoperability</p>								

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>improvements, and multi-spectrum dominance in response to near-peer threats. Continue and expand application of cyber resilience engineering processes and tools for software, hardware, and weapons, to achieve cyber survivability, verified through integrated cyber testing events. Continue development and timely delivery of software drops to meet warfighter need. Support efforts for airframe, air vehicle systems, mission systems, Future Capabilities and Technology (FCAT), weapons integration efforts, and Air-Ship integration, including Electro-Magnetic Aircraft Launch System and Advanced Arresting Gear (EMALS-AAG) launch bulletins, and related work. Continue the Beyond Line of Sight (BLOS) capability that provides increased range and effectiveness of the F-35, by providing improved and increased interoperability across joint platforms within a highly contested environment. Bolster support for Block 4 Capabilities and advance systems engineering efforts associated with AARGM-ER, AGM-158 family of weapons, network enabled weapons, and increased air-to-air missile carriage to accelerate delivery to the warfighter. Modernize digital infrastructure for co-development and co-verification in a virtual environment in an effort to integrate hardware accurate emulations and the operating environments through advanced digital engineering. Evaluate feasibility and decompose requirements for integration of External Fuel Tanks to support long-range missions of the F-35. Continue systems engineering, integration, and test development for avionics, sensors, weapons, studies & analyses, and risk reduction efforts.</p> <p><i>FY 2026 OOC Plans:</i> N/A</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> The increase from FY2025 to FY2026 is due to additional investment in BLOS Communications and other F-35 improvements, such as digital infrastructure and the continued development of Block 4 capabilities to completion and fielding.</p>					
Accomplishments/Planned Programs Subtotals	393.925	179.043	431.867	0.000	431.867

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

N/A

Remarks

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng

D. Acquisition Strategy

The C2D2 acquisition strategy employs both Cost and Fixed Price Incentive contracts for the Block 4 engineering and development efforts. In addition, a separate Basic Ordering Agreement or Indefinite Quantity/Indefinite Delivery contract is planned to provide a long term approach to upgrading and maintaining laboratories and test aircraft and supporting technology maturation for future C2D2 capabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2			Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng				

Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Phase II Cape/ Development	C/CPIF	LM : Fort Worth, TX	502.360	201.481	Nov 2023	63.822	Nov 2024	95.563	Nov 2025	-		95.563	-	-	-
Prime Phase II Fee	C/CPIF	LM : Fort Worth, TX	21.744	1.686	Nov 2023	9.987	Nov 2024	2.950	Nov 2025	-		2.950	-	-	-
Prime LM Block Four Contract (BFC)	C/CPIF	LM : Fort Worth, TX	33.651	42.130	Dec 2023	27.925	Nov 2024	210.749	Nov 2025	-		210.749	-	-	-
Prime LM Block Four Contract (BFC) Fee	C/CPIF	LM : Fort Worth, TX	0.000	0.000	Dec 2023	0.000	Nov 2024	17.375	Nov 2025	-		17.375	-	-	-
Prime Air Vehicle Integration	C/CPFF	LM : Fort Worth, TX	5.000	2.170	Nov 2023	4.983	Nov 2024	3.695	Nov 2025	-		3.695	-	-	-
Beyond Line Of Sight (BLOS) Communications	Various	TBD : TBD	0.000	99.000	Nov 2023	0.000	Nov 2024	66.150	Nov 2025	-		66.150	-	-	-
Systems Engineering	Various	Various : TBD	30.418	27.036	Nov 2023	13.953	Nov 2024	10.151	Nov 2025	-		10.151	-	-	-
Cyber Survivability	Various	Various : TBD	2.000	1.748	Nov 2023	7.732	Nov 2024	8.096	Nov 2025	-		8.096	-	-	-
Subtotal			595.173	375.251		128.402		414.729		-		414.729	-	-	N/A

Remarks

Prime LM Phase II/Cape Development decrease in FY 2026 reflects the transition of requirements to the AV Prime LM Block Four Contract in alignment with the acquisition life cycle of the Program.

Prime LM Block Four Contract (BFC) increase in FY 2026 funds improvements to Radar, Electronic Warfare, digital infrastructure and Communication, Navigation, and Identification (CNI) sub-systems.

Cost Category Item, Beyond Line Of Sight (BLOS) Communications, formerly AV Common Low Observable Waveform, was renamed to reflect the updated requirement.

Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Systems Support	Various	Various : TBD	23.029	10.651	Nov 2023	43.328	Nov 2024	8.096	Nov 2025	-		8.096	-	-	-
Vehicle Systems Support	Various	Various : TBD	4.880	0.500	Nov 2023	1.088	Nov 2024	5.000	Nov 2025	-		5.000	-	-	-
FCAT Development Support	Various	Various : TBD	12.087	7.523	Nov 2023	6.225	Nov 2024	4.042	Nov 2025	-		4.042	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			39.996	18.674		50.641		17.138		-		17.138	-	-	N/A
Remarks															
Cost Category Item, FCAT Development Support, formerly AV CSO Development Support, was renamed to reflect the Directorate's name change.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			635.169	393.925		179.043		431.867		-		431.867	-	-	N/A
Remarks															
AV Prime LM Phase II/Cape Development decrease in FY 2026 reflects the transition of requirements to the AV Prime LM Block Four Contract in alignment with the acquisition life cycle of the Program.															
Breakout of the Prime LM Block Four Contract (BFC) began in FY2025. This was previously captured under the Ph II Cape/Development line.															
LM Block Four Contract (BFC) increase in FY 2026 funds improvements to Radar, Electronic Warfare, and Communication, Navigation, and Identification (CNI) sub-systems.															
FY 2026 AV Systems Engineering increase in funds modernization of digital infrastructure initiatives for co-development and co-verification in a virtual environment.															
Cost Category Item, AV FCAT Development Support, formerly AV CSO Development Support, was renamed to reflect the Directorate's name change.															
Cost Category Item, AV BLOS Comms, formerly AV Common Low Observable Waveform, was renamed to reflect the updated requirement.															
Cost Category Item, External Fuel Tanks, new cost item in FY26															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673502																												
Systems Engineering & Agile Capability Development: Planning Events																												
Systems Engineering & Agile Capability Development: IPRs																												
Hardware Enablers: Electronic Warfare (EW) Upgrade																												
Hardware Enablers: A/C Cooling																												
Hardware Enablers: GPS M-Code																												
Hardware Enablers: Beyond Line Of Sight (BLOS) Communications																												
Hardware Enablers: Six-In-The-Bay (SITB)																												
Hardware Enablers: Technical Data Recording																												
Hardware Enablers: Multifunction Advanced Data Link Improvements																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673502				
Systems Engineering & Agile Capability Development: Planning Events	1	2024	4	2030
Systems Engineering & Agile Capability Development: IPRs	1	2024	4	2030
Hardware Enablers: Electronic Warfare (EW) Upgrade	1	2024	1	2028
Hardware Enablers: A/C Cooling	1	2024	4	2025
Hardware Enablers: GPS M-Code	1	2024	3	2027
Hardware Enablers: Beyond Line Of Sight (BLOS) Communications	1	2024	4	2030
Hardware Enablers: Six-In-The-Bay (SITB)	1	2024	4	2030
Hardware Enablers: Technical Data Recording	1	2024	3	2029
Hardware Enablers: Multifunction Advanced Data Link Improvements	1	2024	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673503 / Test and Evaluation (T&E)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673503: Test and Evaluation (T&E)	474.516	261.303	422.627	289.578	0.000	289.578	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Integrated Test activities in support of C2D2, to include Lockheed Martin support at all test sites. Non-recurring engineering required to plan for the service life extension of existing DT aircraft and modifications necessary to bring DT aircraft fleet to a more production-representative and sustainable configuration, and to develop flight test instrumentation and release test software to meet Block 4 requirements. Additional upgrades required to support development and evaluation of improvements driven by changes in the threat environment and as identified in the Electronic Warfare ICD, the Fifth Generation Fighter Modernization ICD, and the Block 4 Capability Development Document (CDD). Efforts include non-recurring engineering and procurement of a test article to evaluate service life of F-35B STOV L Aircraft. Integrated test also supports the evaluation of upgrades to ALIS, fielding of ODIN Base Kits, regression testing of fielded weapons upgrades, and various validation/verification efforts.

Costs in the Accomplishments/Planned and Program R2A section have been broken out into the following R-2A categories: Development Foundation Contract, Development Test, Operational Test, Future Flight Test Capabilities/Investments, and Digital Infrastructure. Updated Major Thrust title of "Ground Test and Simulation Infrastructure (GTSI)" to "Digital Infrastructure (DI)" for PB2026.

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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Development Foundation Contract (DFC) Flight Test and Tech Refresh	155.744	117.091	91.761	-	91.761
Description: Flight test infrastructure at Edwards Air Force Base (AFB) and Pax River Naval Air Station (NAS) and F-35 tech refresh for laboratory development at Fort Worth, TX for Lockheed Martin Aeronautics and its subcontractors (LM Aero). This includes investment planning and other test planning activities required for Block 4 development, integration, developmental test and evaluation. Funding is required for the Lockheed Martin Integrated Test Force contractor labor, suppliers, and material. Other support efforts are provided for airframe, air vehicle systems, air-ship integration, mission systems, weapons integration, offboard mission support, autonomic logistics development, joint reprogramming enterprise and modeling and joint simulation					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673503 / Test and Evaluation (T&E)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
environment activities, including Nimble Lightning efforts. Other costs in support of ranges, chase planes and DT site operations. FY 2025 Plans: DFC provided flight test support for C2D2 Block 4 capabilities and weapons testing to accelerate delivery of weapons to the Services. Continued annualized equipment recapitalization of ground support equipment along with technology refresh and specific lab modernization efforts. These efforts sustain, replace, upgrade, and modify test infrastructure hardware and software. FY 2026 Base Plans: DFC will provide flight test support for Block 4 capabilities and weapons testing to accelerate delivery of weapons to the Services. Continues annualized equipment recapitalization of ground support equipment along with technology refresh and specific lab equipment replacement and modernization efforts to remain representative of Block 4 capabilities. These efforts will sustain, replace, upgrade, and modify test infrastructure hardware and software. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease for DFC in FY2026 to account for normalization of flight test ops tempo and lab tech refresh to support Block 4 capabilities.						
Title: Developmental Test (DT) Description: Government test site Integrated Test activities to support development of Air Vehicle C2D2 and TR-3 programs, as well as inherent maintenance systems, training systems, and combat data systems test support. Testing includes ground, logistics, and flight testing of incremental flight software releases, weapon integration, DMS/fleet sustainment, service-life extension, hardware refresh, and regression efforts to ensure total system integration meets program requirements. Test site capabilities to meet program requirements include infrastructure, ranges, engineering, administration, logistics, maintenance, controls, information technologies, classified facilities, and service unique supporting capabilities. The sites to be funded include but are not limited to NAWCAD Pax River, NAWCWD China Lake, and Edwards AFB. FY 2025 Plans: Developmental Testing activities at NAS Patuxent River ("Pax"), Edwards AFB, and NAWS China Lake continued FY 2024 activities under a level-of-effort test capacity as defined in updated USN Work Assignment Agreements (WAAs) and USAF Statements of Capability (SOCs). DT efforts in FY 2025 were prioritized for		39.176	65.736	36.257	-	36.257

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673503 / Test and Evaluation (T&E)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
continued US Services and Cooperative Partner nation weapons integration and other operational air system capabilities, but will also include other efforts as described for FY 2024. FY 2026 Base Plans: Continue to support Integrated Test capacity and flight test execution (including manpower, weapons, flight hours, range time, and chase, target & tanker support assets) to develop and verify and test capabilities as directed by the F-35 JPO. Major program testing includes Block 4 weapons integration, integrated system evaluations, multi-ship operations, and mission effectiveness evaluations. Continued funding for Development Test Aircraft Modification broken out from the rest of the Development activities. Funding will also procure Developmental Test (DT) Kits. This is continued support from FY25 for Developmental Test (DT) aircraft modifications to ensure test-ready and operationally-representative. Continuing to support flight test capacity and flight test execution. This includes first increment testing through initial and fully operational increments. The funding will be used for continuing to develop and test incrementally, for new software releases and deficiency fixes. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to deferring weapon development tests from FY2026 to FY2027 to accommodate software and weapon integration scheduling.						
Title: Operational Test (OT) Description: Government test site Integrated Test activities to support development of Air Vehicle C2D2 and TR-3 programs, as well as inherent maintenance systems, training systems, and combat data systems test support. Testing includes ground, logistics, and flight-testing of incremental flight software releases, weapon integration, DMS/fleet sustainment, hardware refresh and regression efforts to ensure total system integration meets program requirements in an operationally representative environment. Test site capabilities to meet program requirements include infrastructure, ranges, engineering, administration, logistics, maintenance, controls, information technologies, classified facilitates, and US Service-unique supporting capabilities. The sites to be funded include but are not limited to Nellis AFB, Edwards AFB, and MCAS Yuma. FY 2025 Plans: Operational Test activities continued from FY 2024 into FY 2025 under a level-of-effort OT capacity as defined in the Integrated Test Team (ITT) charter and as required to support the C2D2 construct's incremental capability releases. These activities may include OT squadron participation in large force fleet-representative exercises		10.759	29.752	12.753	-	12.753

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
or joint force exercises to stress the capabilities in an operational environment. Funding also used to continue refining and improving OT data analysis tools and OT data management. FY 2026 Base Plans: Operational Test activities will continue from FY2025 into FY2026 under a level-of-effort OT capacity as defined in the Integrated Test Team (ITT) charter and as required to support Block 4 construct's capability releases. These activities may include OT squadron participation in large force fleet-representative exercises or joint force exercises to stress the capabilities in an operational environment. Funding will also be used to continue refining and improving OT data analysis tools and OT data management. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to deferring operational weapons testing to accommodate software delivery scheduling.						
Title: Future Flight Test Capabilities/Investments (FI) Description: Test fleet modifications, test mission equipment/assets, instrumentation capability, and data center investments are required to continue to support Block 4 capability development and integrated test requirements. TR-3-related capability requires current test aircraft and replacement test aircraft configurations to be modified to new hardware, software, and flight test instrumentation (FTI) systems. Program priorities, flight test demand, data quantity/bandwidth upgrades, and capability delivery schedules require a steady update to test fleet configurations. Modifications and instrumentation design/ procurement/install are long-lead efforts requiring stable funding and contract vehicles to meet program needs. FY 2025 Plans: Continued incrementally funding Flight Science Replacement jets FTI design, procurement, and installation (3 per variant) for Lots 19-24, to include for procurement of long-lead parts out of the production long-lead timeframe. Complete incremental funding for Flight Science Lite jets for FTI design in support of weapons testing (1xF-35A, 1xF-35B and 2xF-35 C). Continued FTI design/fabrication/installation (long-lead NRE, parts procurement, kit fabrication) for replacement test aircraft on multiple TR-2 and TR-3 USG FTI designs. Continued NRE/procurement/installation to retrofit or maintain test aircraft viability. Development, procurement, and installation of flight test data center upgrades supported Integrated Testing across multiple F-35 stakeholder sites. FTI development, procurement, fabrication and installation or current and future service loaner aircraft to continue Integrated Testing with Service Operational Test organizations. Continue integration and procurement efforts required for Block 4 test mission assets. FY 2026 Base Plans:		51.794	192.622	141.844	-	141.844

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673503 / Test and Evaluation (T&E)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Continue incrementally funding Flight Science Replacement jets' Flight Test Instrumentation (FTI) design, procurement, and installation (no fewer than 9 jets) for Lots 19-24, to include the procurement of long lead parts out of the production long lead timeframe. Complete incremental funding for Flight Science Lite jets for FTI design in support of weapons testing (1xF-35A, 1xF-35B, 2xF-35C). Continues FTI design/fabrication/installation (long-lead NRE, parts procurement, kit fabrication) for replacement test aircraft on multiple USG FTI designs. Development, procurement, and installation of flight test data network upgrades to support integrated testing across multiple F-35 stakeholder sites. FTI development, procurement, fabrication, and installation on current and future service loaner aircraft to continue integrated testing with Service Operational Test organizations. Continue integration and procurement efforts required for Block 4 test mission assets. FY 2025 to FY 2026 Increase/Decrease Statement: Flight Test Instrumentation has decreased due to some contracts nearing completion and requiring less funding in out years. Contract awards occurred later than previously expected in FY2025, resulting in an FY2026 funding decrease to plan for on-time contract awards.						
Title: Digital Infrastructure (DI) Description: Development of Digital Infrastructure (DI) capabilities for Block 4/TR-3 and other C2D2 early-on design and development, through Installed Systems Verification activities prior to Developmental Flight Test for all variants of the F-35 aircraft. Infrastructure efforts include execution of Laboratory Developments for digital and non-digital Improvements & Modernization (I&M) of assets used for design, development, and test of Block 4 capabilities. Digital Infrastructure will focus on the development of Block 4 capabilities through an Infrastructure that meets required fidelities that would advance the high-quality development of the Air System capabilities. FY 2025 Plans: Continued Ground Stimulation and Simulation Infrastructure Improvements and Modifications (I&M), Modeling & Simulation (M&S), accreditation for DT infrastructure used for performance testing, and associated efforts that enable development and test of F-35 Block 4 Air System Capabilities. I&M efforts have been made to both DoD Organic Infrastructure such as integrated battlespace testing improvements to the anechoic chamber and associated labs, and Software Centers at various service member locations as well as non-organic infrastructure within LM labs needed for Block 4 air system capability development. LM I&M efforts include updates to simulation software, improvements to stimulation labs, test equipment procurement, and engineering and test operations in support of EW, radar, communications, and weapon capabilities. Budget also covered prime		3.830	17.426	6.963	-	6.963

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)				
B. Accomplishments/Planned Programs (\$ in Millions)						
	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
<p>contractor support for the execution of M&S accreditation activities for DT needed to support the planning and reporting on the verification and validation of M&S to enable the use of M&S as capability verification venue.</p> <p>FY 2026 Base Plans: Continue Ground Stimulation and Simulation Infrastructure Improvements and Modifications (I&M), Modeling & Simulation (M&S) accreditation for DT infrastructure used for performance testing, and associated efforts that enable development and test of F-35 Block 4 Air System Capabilities. I&M efforts will be made to both DoD Organic Infrastructure such as integrated battlespace testing improvements to the anechoic chamber and associated labs, and Software Centers at various service member locations, as well as non-organic infrastructure within LM labs needed for Block 4 air system capability development. LM I&M efforts include updates to simulation software, improvements to stimulation labs, test equipment procurement, and engineering and test operations in support of EW, radar, communications, and weapon capabilities. Budget will also cover support for the execution of M&S accreditation activities for DT needed to support the planning and reporting on the verification and validation of M&S to enable the use of M&S as capability verification venue.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease due to downtick of cyber requirements planned in FY2026 and transition to Digital Twinning and Lab Infrastructure Improvement/Modernization efforts for LM & Supplier Ground Testing Infrastructure.</p>						
Accomplishments/Planned Programs Subtotals		261.303	422.627	289.578	-	289.578
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
D. Acquisition Strategy						
<p>The Test & Evaluation Project will maximize use of existing F-35 contracts, where possible, for the various T&E-related capabilities and investments outlined in Sections A-C above. For example, provisions for new instrumentation on new flight test aircraft are being implemented when applicable via existing Production contracts in order to allow installation of the required hardware while those airframes are still on the assembly line. This will save significant costs and effort that would be required if instrumentation installation occurred after aircraft delivery. Other modifications and/or non-recurring engineering (NRE) may be implemented via existing contracts being managed by the Air Vehicle Program Management Office as part of the Block 4 engineering and development efforts. In addition, a separate Cost-Plus-Incentive-Fee-type contract is planned to provide a long-term approach to upgrading and maintaining laboratories and also for maintaining the older existing SDD test aircraft. Viability modifications to the SDD test aircraft are being contracted via a combination of Streamlined Delivery Orders for NRE and hardware as well as a Cost Plus-type contract, using both to expedite the right modifications as needed at the right time in order to avoid test aircraft grounding and to maximize their availability. In addition, separate Basic Ordering Agreements or Indefinite Quantity/Indefinite Delivery contracts may be used to implement a long-term approach to upgrading and maintaining</p>						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)
<p>laboratories and test aircraft and supporting technology maturation for future capabilities. Several new cost reduction initiatives are being studied to determine possible migration away from Lockheed-Martin support to less-expensive organic support (via either government solutions, local test-base support contracts, or a combination of both) in areas such as test aircraft maintenance, test operations support, and networks/knowledge management. Other initiatives are being pursued to move more test data collection requirements from the open-air ranges to ground test chambers, computer-based models and simulations, or other laboratory venues where possible.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DFC - Prime Developmental Foundation Contract	C/CPIF	LM : Fort Worth, TX	168.134	158.487	Nov 2023	117.092	Nov 2024	92.509	Nov 2025	-		92.509	-	-	-
OT - Prime Operation Test Aircraft Modification	C/CPIF	LM : Fort Worth, TX	7.634	6.625	Aug 2024	16.183	Aug 2025	0.000	Dec 2025	-		0.000	-	-	-
FI - Prime DT AC Viability	C/CPIF	LM : Fort Worth, TX	46.825	4.012	Dec 2023	17.891	Dec 2024	4.476	Dec 2025	-		4.476	-	-	-
FI - Flight Test Asset	C/CPIF	LM : Fort Worth, TX	105.004	2.254	Dec 2023	165.663	Dec 2024	31.048	Dec 2025	-		31.048	-	-	-
FI - Flight Science	C/CPIF	LM : Fort Worth, TX	0.000	12.407	Dec 2023	-		83.326	Nov 2025	-		83.326	-	-	-
FI - Weapons	C/CPIF	LM : Fort Worth, TX	0.000	9.159	Dec 2023	-		12.882	Dec 2025	-		12.882	-	-	-
DT - Prime Development Test Aircraft Modification	C/CPIF	LM : Fort Worth, TX	7.349	5.166	Aug 2024	5.482	Aug 2025	0.000	Nov 2025	-		0.000	-	-	-
DFC - DI Lab Development	C/CPIF	LM : Fort Worth, TX	0.000	0.000	Nov 2023	0.000	Nov 2024	3.821	Dec 2025	-		3.821	-	-	-
Subtotal			334.946	198.110		322.311		228.062		-		228.062	-	-	N/A

Remarks

LM Developmental Foundation Contract decreased from FY2025 to FY2026 to account for normalization of flight test ops tempo and lab tech refresh to support Block 4 capabilities.

A decrease in Flight Test Asset funding from FY2025 to FY2026 is due to breaking out the Weapons cost category from the Flight Test cost category, previously captured together, and a decrease in hardware procurements needed for +6 Flight Science jets.

New cost categories for Weapons and Flight Science have been added to distinguish the Weapons Test Program and the Flight Science Aircraft from the Flight Test Asset cost category. "FI - Flight Test Assets" previously included DT and OT weapons procurement to support tests and assets needed for flight test instrumentation as well as the engineering, materials, and labor contracts to deliver the Flight Science jets. These are not new starts - previous efforts were captured under the Flight Test Asset cost category.

Laboratory Developments increased in FY2026 for cost inflation factors, procurement of Block 4 PME for Hardware in-the-loop (HITL) labs.

Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (EDW)	MIPR	Edwards AFB, CA : TBD	26.021	18.703	Dec 2023	37.902	Dec 2024	17.905	Dec 2025	-		17.905	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673503 / Test and Evaluation (T&E)					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (IDT)	MIPR	IDT : Ballston, VA	6.004	0.000	Dec 2023	2.812	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
Developmental Test & Evaluation (JHU)	MIPR	JHU : Laurel, MD	3.275	0.157	Dec 2023	2.812	Dec 2024	2.238	Dec 2025	-		2.238	-	-	-
Developmental Test & Evaluation (PAX)	WR	NAWCAD : Pax River, MD	34.439	15.892	Dec 2023	30.410	Dec 2024	18.682	Dec 2025	-		18.682	-	-	-
Developmental Test & Evaluation (CHLK)	WR	NAWCWD : China Lake, CA	1.370	1.100	Dec 2023	4.217	Dec 2024	0.448	Dec 2025	-		0.448	-	-	-
Developmental Test & Evaluation (DTIC)	MIPR	DTIC : Ft Belvoir, VA	0.000	2.866	Apr 2024	-		-		-		-	-	-	-
Operational Test & Evaluation (EDW)	MIPR	Edwards AFB, CA : TBD	1.100	0.792	Nov 2023	1.037	Nov 2024	1.755	Dec 2025	-		1.755	-	-	-
Operational Test & Evaluation (Eglin)	MIPR	Eglin AFB, FL : TBD	3.251	0.000	Jun 2024	1.299	Jun 2025	0.000	Dec 2025	-		0.000	-	-	-
Operational Test & Evaluation (PAX)	WR	NAWCAD : Pax River, MD	0.477	0.125	Dec 2023	0.198	Dec 2024	0.539	Dec 2025	-		0.539	-	-	-
Operational Test & Evaluation (CHLK)	WR	NAWCWD : China Lake, CA	7.674	0.000	Dec 2023	8.215	Dec 2024	3.760	Dec 2025	-		3.760	-	-	-
Operational Test & Evaluation (Nellis)	MIPR	Nellis AFB, NV : TBD	54.859	10.663	Dec 2023	10.132	Dec 2024	7.008	Dec 2025	-		7.008	-	-	-
Operational Test & Evaluation (AFRL Rome)	MIPR	Rome, NY : Rome, NY	0.000	12.427		-		8.019	Dec 2025	-		8.019	-	-	-
Operational Test & Evaluation (NSMA)	MIPR	NSMA : NSMA : TBD	1.100	0.468	Dec 2023	1.282	Dec 2024	1.162	Dec 2025	-		1.162	-	-	-
Subtotal			139.570	63.193		100.316		61.516		-		61.516	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			474.516	261.303		422.627		289.578		-		289.578	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0604840F / F-35 C2D2					673503 / Test and Evaluation (T&E)				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673503																												
Development Foundation Contract Part III																												
DT Aircraft Viability																												
Flight Test Instrumentation																												
Block 4 Contract Lab Development																												
OFP Development & Test																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673503				
Development Foundation Contract Part III	1	2024	1	2027
DT Aircraft Viability	1	2024	2	2030
Flight Test Instrumentation	1	2024	4	2030
Block 4 Contract Lab Development	1	2024	1	2028
OFP Development & Test	1	2024	2	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673504 / Propulsion (PP)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673504: Propulsion (PP)	196.640	170.051	267.962	120.967	0.000	120.967	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Propulsion F135 projects within the Continuous Capability Development & Delivery (C2D2) are provided for developmental efforts for propulsion systems and test engine requirements such as Block 4 Integrated Flight Test Support, Engine Flight Test Mechanics, Flight Test Engineering, Engine Hardware, Test Engine Procurements, research, component, and capability development, prototypes, various studies, costs integral to support the developmental stages for F-35 engine modernization, affordability drivers for top engine availability degraders, and improvement to support the F135 Propulsion System for the F-35 Air Vehicle. Testing and development of the three F-35 aircraft variants require engine propulsion funding to enable continued flight hours. Flight hours are budgeted and planned to meet the Block 4 Flight Test timelines and required Flight Test support. Transition of Flight Test Support requirements to organic capability includes efforts performed by contractor and government installations, Autonomic Logistics Information System / Operational Data Integrated Network (ALIS/ODIN) transition, replacement of development-only hardware, and updating Joint Technical Data (JTD) packages as required.

The F-35 engine is being modernized with the F135 Engine Core Upgrade (ECU), which is part of the Engine, Power, and Thermal Management Modernization (EPM) program. The F135 ECU is projected to recapture engine life for increased affordability while providing additional power and cooling capacity to support future mission systems enhancements for the global F-35 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 element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Propulsion (PP)	170.051	267.962	120.967	0.000	120.967
Description: Propulsion F135 projects within the Continuous Capability Development & Delivery (C2D2) are provided for developmental efforts for propulsion systems and test engine requirements such as Block 4 Integrated Flight Test Support, Engine Flight Test Mechanics, Flight Test Engineering, Engine Hardware, Test Engine Procurements, research, component, and capability development, prototypes, various studies, costs integral to support the developmental stages for F-35 engine modernization, affordability drivers for top engine availability degraders, and improvement to support the F135 Propulsion System for the F-35 Air Vehicle. Testing and development of the three F-35 aircraft variants require engine propulsion funding to enable continued flight hours. Flight hours are budgeted and planned to meet the Block 4 Flight Test timelines, and required Flight					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673504 / Propulsion (PP)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Test support. Transition of Flight Test Support requirements to organic capability includes efforts performed by contractor and government installations, Autonomic Logistics Information System / Operational Data Integrated Network (ALIS/ODIN) transition, replacement of development-only hardware, and updating Joint Technical Data (JTD) packages as required. The F-35 engine is being modernized with the F135 Engine Core Upgrade (ECU), which is part of the Engine, Power, and Thermal Management Modernization (EPM) program. The F135 ECU is projected to recapture engine life for increased affordability while providing additional power and cooling capacity to support future mission systems enhancements for the global F-35 fleet.						
FY 2025 Plans: Continued Propulsion F135 Block 4 Integrated Flight Test Support to include Engine Flight Test Mechanics, Flight Test Engineering, Engine Hardware, Test Engine Procurements, research, component, and capability development, prototypes, various studies, and other associated government costs integral to support the developmental stages for engine modernization and improvement to support the F135 Air Vehicle. Propulsion Flight Test Support enables the execution of Block 4 and Technology Refresh 3 (TR3) Requirements. The Flight Test Fleet will maintain similar aircraft inventory at eight aircraft in FY 2025. This includes three at Edwards Air Force Base and five at Patuxent River Naval Air Base. Flights and Engine Flight Hours (EFH) are expected to maintain their prior year levels at over 600 flight hours in the year. Transition of Flight Test Support requirements to organic capability includes efforts performed by contractor and government installations, Autonomic Logistics Information System / Operational Data Integrated Network (ALIS/ODIN) transition, replacement of development-only hardware, and updating Joint Technical Data (JTD) packages as required. FY 2025 Propulsion provides funding for requirements to support Engine Modernization Development efforts. PTMU will continue nonrecurring engineering effort to further understand SoS impacts and PTMS Upgrade cooling requirements and continued maturation of potential Thermal Management Systems (TMSs.)						
FY 2026 Base Plans: Continued Propulsion F135 Block 4 Integrated Flight Test Support to include Engine Flight Test Mechanics, Flight Test Engineering, Engine Hardware, Test Engine Procurements, research, component, and capability development, prototypes, various studies, and other associated government costs integral to support the developmental stages for engine modernization and improvement to support the F-35 Air Vehicle. Propulsion Flight Test Support enables the execution of Block 4 and Technology Refresh 3 (TR3) Requirements. Transition of Flight Test Support requirements to organic capability includes efforts performed by contractor and government installations, Autonomic Logistics Information System / Operational Data Integrated Network (ALIS/ODIN) transition, replacement of development-only hardware, and updating Joint Technical Data (JTD)						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673504 / Propulsion (PP)	
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025
<p>packages as required. F135 ECU will continue funding risk reduction design and facilitate delivery of long lead material for future ground test engines.</p> <p>FY 2026 OOC Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased from FY2025 to FY2026 to reflect descoping engine modernization efforts, in alignment with a strategic delay in the ECU program to prioritize support to the F-35 Block 4 Subprogram.</p>				FY 2026 Base	FY 2026 OOC
				FY 2026 Total	
Accomplishments/Planned Programs Subtotals				170.051	267.962
C. Other Program Funding Summary (\$ in Millions) N/A					
Remarks					
D. Acquisition Strategy The C2D2 acquisition strategy is to employ both Cost and Fixed Price Incentive contracts for propulsion engineering and development efforts. Each major modernization effort will establish a new contract. In addition, a separate Basic Ordering Agreement or Indefinite Quantity/Indefinite Delivery contract is planned to provide a long-term approach to upgrading and maintaining laboratories and test aircraft and supporting technology maturation for future propulsion capabilities. The F135 Engine Core Upgrade utilizes a sole-source acquisition strategy to partner with Pratt & Whitney for engine development and Lockheed Martin Aero for aircraft integration.					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673504 / Propulsion (PP)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PP Prime PW C2D2Propulsion DT AircraftProcurement Engines	C/FPIF	Pratt & Whitney : East Hartford, CT	12.739	-		-		-		-		-	-	-	-
PP Prime PW C2D2Propulsion Flight Test	C/CPIF	Pratt & Whitney : East Hartford, CT	28.362	14.519	Dec 2023	11.737	Oct 2024	17.617	Nov 2025	-		17.617	-	-	-
PP DevSecOps EmulationLab	C/CPIF	Pratt & Whitney : East Hartford, CT	38.791	-		-		-		-		-	-	-	-
PP F135 Engine Modernization Development	Various	Various : Various	0.000	61.211	Jan 2024	156.225	Jun 2025	15.000	Nov 2025	-		15.000	-	-	-
PP F135 EngineModernization Risk Reduction	SS/CPIF	Pratt & Whitney : East Hartford, CT	116.748	94.321	Sep 2024	100.000	Dec 2024	87.750	Nov 2025	-		87.750	-	-	-
Subtotal			196.640	170.051		267.962		120.367		-		120.367	-	-	N/A
Remarks															
The cost category previously referred to as "PP F135 Engine Modernization Detailed Design" has been renamed to "PP F135 Engine Modernization Risk Reduction" for the PB2026 submission.															
Funding decreased from FY2025 to FY2026 to reflect descoping engine modernization efforts, in alignment with a strategic delay in the ECU program to prioritize support to the F-35 Block 4 Subprogram.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PP Program Management Support	Various	Various : TBD	0.000	-		-		0.600	Nov 2025	-		0.600	-	-	-
Subtotal			0.000	-		-		0.600		-		0.600	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2					Project (Number/Name) 673504 / Propulsion (PP)					
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			196.640	170.051		267.962		120.967		-		120.967	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0604840F / F-35 C2D2			673504 / Propulsion (PP)				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673504																												
Propulsion: P&W Flight Test																												
Engine Core Upgrade (ECU): Preliminary Design																												
Engine Core Upgrade (ECU): PDR2																												
Engine Core Upgrade (ECU): Risk Reduction Efforts																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673504 / Propulsion (PP)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673504				
Propulsion: P&W Flight Test	1	2024	1	2027
Engine Core Upgrade (ECU): Preliminary Design	1	2024	4	2024
Engine Core Upgrade (ECU): PDR2	3	2024	3	2024
Engine Core Upgrade (ECU): Risk Reduction Efforts	4	2024	3	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673505 / Maintenance Systems (MxS)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673505: Maintenance Systems (MxS)	91.711	35.448	33.741	39.573	0.000	39.573	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Autonomic Logistics Information System (ALIS) is the current F-35 program solution for delivering core maintenance and logistics information solutions to F-35 warfighters. ALIS will continue to deliver the core logistics and maintenance infrastructure requirements for the F-35 enterprise as ALIS evolves into Operational Data Integrated Network (ODIN). ALIS includes features such as aircraft scheduling, training delivery, record keeping, technical data delivery, supply chain management, maintenance management, pilot and maintenance debriefing, and mission planning. Current ALIS development efforts are focused on low cost and high return investments that provide a high confidence return on investment in the short term, significant warfighter impact, and/or offer synergy with ODIN development efforts.

ODIN will incrementally provide a modern, user-friendly integrated information system for the F-35 to deliver core maintenance and logistics information solutions. ODIN will be comprised of multiple elements to include modern hardware, architectures, software development methods, data environments, and platforms. Leveraging agile and modern software development practices, ODIN will serve as the primary logistics tool to support F-35 warfighter operations, health and diagnostics, mission planning, supply chain management, maintenance, and training. ODIN will substantially decrease F-35 administrator and maintainer workload, increase readiness rates for all F-35 variants, and allow software engineers to rapidly develop and deploy updates in response to changing warfighter requirements and improve data management, quality, and integrity. The ALIS to ODIN transition is intended to enable holistic fleet management, improve performance, enhance readiness, and reduce costs to the F-35 program. ODIN is comprised of both hardware and software which support the flow of Unclassified and Classified aircraft and maintenance-related data.

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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Operational Data Integrated Network (ODIN)	35.448	33.741	39.573	-	39.573
Description: ODIN will incrementally provide a modern, user-friendly integrated information system for the F-35 to deliver core maintenance and logistics information solutions. ODIN will be comprised of multiple elements to include modern hardware, architectures, software development methods, data environments, and platforms. Leveraging agile and modern software development practices, ODIN will serve as the primary logistics tool to support F-35 warfighter operations, health and diagnostics, mission planning, supply chain management,					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673505 / Maintenance Systems (MxS)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
maintenance, and training. ODIN will substantially decrease F-35 administrator and maintainer workload, increase readiness rates for all F-35 variants, and allow software engineers to rapidly develop and deploy updates in response to changing warfighter requirements and improve data management, quality, and integrity. The ALIS to ODIN transition is intended to enable holistic fleet management, improve performance, enhance readiness, and reduce costs to the F-35 program. ODIN is comprised of both hardware and software which support the flow of Unclassified and Classified aircraft and maintenance-related data.						
FY 2025 Plans: Continue ALIS to ODIN software containerization efforts and development of foundational infrastructure, software, and data enhancements to enable enterprise-wide capabilities and increase user capabilities. Continue development of the Linux platform and ODIN data architecture. Develop next-generation hardware update. Continue analysis of alternatives on future hardware tech insertion supporting ODIN development and test plans as well as capability requirements that are not currently encompassed in the baseline equipment. Continue development and optimization of the ODIN cloud-based infrastructure while continuing migration and enhancement of the ODIN enterprise. Leverage the establishment of modern software architecture from Unclassified development efforts to develop and release the Classified portion of the F-35 Maintenance Systems ODIN enterprise. Develop and deploy improved capabilities to replace legacy applications.						
FY 2026 Base Plans: FY26 will deliver key ODIN modernization milestones: 1) Completion of modernized ODIN unclassified and classified hardware design and fielding; 2) Country-level data centralization and access, enabling the development and integration of fleet management capabilities; and 3) Deployment of the first slice of the modernized ODIN software stack, incorporating the first tranche of containerized software and enhanced capabilities. These critical milestones establish the core technical foundation for ODIN, marking a pivotal transition towards a fully modernized system. In parallel, development of the next-generation ODIN hardware will continue, along with advancements in the modernized technology stack, software containerization, applications, and integrated data environment.						
FY 2025 to FY 2026 Increase/Decrease Statement: The increase from FY2025 to FY2026 is primarily driven by the ramp-up of ODIN software development to enable future deployment of containerized software, and the integration of fleet managment capabilities into the ODIN baseline. In FY2026, the 309th Software Group will intensify efforts on ODIN software development in collaboration with the contractor, in alignment with U.S. Code Title 10, Depot 50-50 requirements.						
Accomplishments/Planned Programs Subtotals		35.448	33.741	39.573	-	39.573

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673505 / Maintenance Systems (MxS)
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy The single F-35 Logistics Information System is modernizing from the legacy Autonomic Logistics Information System (ALIS) into the new Operational Data Integrated Network (ODIN), which modernizes the technology stack and migrates it into a modern, more-resilient, and efficient cloud-based environment. This transformation program is known as ALIS-to-ODIN (A2O).		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673505 / Maintenance Systems (MxS)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 LM ODIN	C/CPFF	LM : Fort Worth, TX	45.026	23.200	Nov 2023	13.862	Nov 2024	27.254	Jan 2026	-		27.254	-	-	-
Prime PW ODIN	C/CPFF	PW : East Hartford, CT	6.902	3.800	Nov 2023	3.872	Nov 2024	1.096	Mar 2026	-		1.096	-	-	-
Prime PHM	C/CPFF	LM : Fort Worth, TX	2.900	-		-		-		-		-	-	-	-
Subtotal			54.828	27.000		17.734		28.350		-		28.350	-	-	N/A
Remarks															
Increase in Prime LM ODIN from FY2025 to FY2026 is due to an increase in software-based deliverables in support of ODIN.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ODIN Development Support- Other	Various	Various : TBD	36.883	4.048	Nov 2023	2.050	Nov 2024	3.938	Jan 2026	-		3.938	-	-	-
ODIN Development Support - DTIC	Various	DTIC : Fort Belvoir, VA	0.000	3.000	Nov 2023	3.348	Nov 2024	1.246	Jun 2026	-		1.246	-	-	-
ODIN Development Support - NIWC	Various	NIWC : Charleston, SC	0.000	1.400	Nov 2023	1.290	Nov 2024	0.997	Nov 2025	-		0.997	-	-	-
ODIN Development Support Platform Environment	Various	Various : TBD	0.000	-		7.100	Nov 2024	2.889	Jan 2026	-		2.889	-	-	-
ODIN Development Support - 309th SWEG	Various	309th SWEG : Hill AFB, UT	0.000	-		2.219	Nov 2024	2.153	Nov 2025	-		2.153	-	-	-
Subtotal			36.883	8.448		16.007		11.223		-		11.223	-	-	N/A
Remarks															
A new cost category for ODIN Development Support at Hill AFB was added to capture software development efforts in support of ODIN.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			91.711	35.448		33.741		39.573		-		39.573	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force							Date: June 2025			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2			Project (Number/Name) 673505 / Maintenance Systems (MxS)			
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673505 / Maintenance Systems (MxS)	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673505																												
Operational Data Integrated Network (ODIN): Hardware Development																												
Operational Data Integrated Network (ODIN): Hardware Development - Next Gen																												
Operational Data Integrated Network (ODIN): Software Architecture Development																												
Operational Data Integrated Network (ODIN): Software Continuous Development (Prototyping, Dev, Int/Test, Fielding)																												
Operational Data Integrated Network (ODIN): ALIS Containerization (incl. Prototyping, Dev, Int/Test, Fielding)																												
Operational Data Integrated Network (ODIN): Platform Development																												
Operational Data Integrated Network (ODIN): Platform Continuous Development (Prototyping, Dev, Int/Test, Fielding)																												
Operational Data Integrated Network (ODIN): Integrated Data Environment Development																												
Operational Data Integrated Network (ODIN): Data Architecture Continuous Development(Prototyping, Dev, Int/Test, Fielding)																												
Operational Data Integrated Network (ODIN): Legacy Modernization and Migration																												
Operational Data Integrated Network (ODIN): COTS/GOTS Application																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																								Date: June 2025													
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)																			
3600 / 7										PE 0604840F / F-35 C2D2								673505 / Maintenance Systems (MxS)																			
										FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
										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
Configuration,Software Development, and Integration																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673505 / Maintenance Systems (MxS)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673505				
Operational Data Integrated Network (ODIN): Hardware Development	1	2024	4	2026
Operational Data Integrated Network (ODIN): Hardware Development - Next Gen	1	2025	4	2030
Operational Data Integrated Network (ODIN): Software Architecture Development	1	2024	3	2025
Operational Data Integrated Network (ODIN): Software Continuous Development (Prototyping,Dev, Int/Test, Fielding)	1	2024	4	2030
Operational Data Integrated Network (ODIN): ALIS Containerization (incl. Prototyping, Dev,Int/Test, Fielding)	1	2024	4	2028
Operational Data Integrated Network (ODIN): Platform Development	1	2024	1	2026
Operational Data Integrated Network (ODIN): Platform Continuous Development (Prototyping,Dev, Int/Test, Fielding)	4	2024	4	2030
Operational Data Integrated Network (ODIN): Integrated Data Environment Development	1	2024	1	2026
Operational Data Integrated Network (ODIN): Data Architecture Continuous Development(Prototyping, Dev, Int/Test, Fielding)	1	2024	4	2030
Operational Data Integrated Network (ODIN): Legacy Modernization and Migration	1	2024	4	2030
Operational Data Integrated Network (ODIN): COTS/GOTS Application Configuration,Software Development, and Integration	1	2024	1	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673506 / Combat Data Systems (CDS)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673506: Combat Data Systems (CDS)	90.781	49.969	29.955	46.716	0.000	46.716	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

F-35 Combat Data Systems (CDS) Program Management Office mission include investment and modernization activities required for Block 4 development, integration, test and evaluation of Mission Data Hardware/Tools, Reprogramming Verification & Validation Systems (RVVS), and Mission Planning Software/Hardware, which includes the Next Generation Open Mission System (NOMS). Funding related to key deliveries to Electronic Warfare Squadrons and F-35 Operational Squadrons and enables government and contractor labor for mission planning and joint reprogramming enterprise. Other costs support Technology Investment for key Modernization / Innovation activities and Cloud based DevSecOps infrastructure.

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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Joint Reprogramming Environment (JRE)	39.983	19.997	20.250	-	20.250
Description: JRE is investment and modernization activities required for Block 4 development, integration, test and evaluation of Mission Data Tools, Verification & Validation Systems, and Mission Planning Software/Hardware. Funding related to key deliveries to Electronic Warfare Squadrons and F-35 Operational Squadrons and enables government and contractor labor for joint reprogramming enterprise. Other costs support Technology Investment for key Modernization/Innovation activities and Cloud based DevSecOps infrastructure.					
FY 2025 Plans: Enhancement efforts for the Agile development of Common Reprogramming Tools (CRT) to provide Electronic Warfare Squadrons with essential software tools that reduce both Mission Data File (MDF) development time & human error while increasing combat effectiveness. Continue software development efforts that deploy software tools to increase capacity within the reprogramming laboratories. Continue to upgrade Reprogramming Verification & Validation Systems (RVVS) to meet the Block 4 capability requirements and meet next generation threats. Continue ongoing efforts to support aircraft in relation to Continuous Capability Development & Delivery (C2D2). Continue development support for defining, managing and acquiring the F-35 Reprogramming capability					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / Combat Data Systems (CDS)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
enhancements identified in approved requirements documents for Block 4 and modernization efforts and support efforts for joint reprogramming enterprise activities. Continue efforts to integrate Block 4 software data loads at reprogramming laboratories. Continue efforts to improving the velocity of MDF development, improving the tools available to the reprogramming laboratories to process and reprograming operational data, and to support rapid reprogramming activities. FY 2026 Base Plans: Continue efforts for the AGILE development of Common Reprogramming Tools (CRT) to provide Electronic Warfare Squadrons with essential software tools that reduce both Mission Data File (MDF) development time & human error while increasing combat effectiveness. Continue software development efforts that deploy software tools to increase capacity within the reprogramming laboratories. Continue to upgrade Reprogramming Verification & Validation Systems (RVVS) to meet the Block 4 capability requirements and meet next generation threats. Continue ongoing efforts to support aircraft in relation to Continuous Capability Development & Delivery (C2D2). Continue development support for defining, managing and acquiring the F-35 Reprogramming capability enhancements identified in approved requirements documents for Block 4 and modernization efforts and support efforts for joint reprogramming enterprise activities. Continue efforts with Advanced Development, Integration & Test (BFC) contract to integrate Block 4 software data loads at reprogramming laboratories. Continue efforts to improving the velocity of MDF development, improving the tools available to the reprogramming laboratories to process and reprograming operational data, and to support rapid reprogramming activities. FY 2025 to FY 2026 Increase/Decrease Statement: Increase from FY2025 to FY2026 for overall JRE is due to real-world development requirement needed in JRE Common Reprogramming Tool initial implementation in labs, and for Block 4 integration and ensured Air System Alignment.						
Title: Mission Planning Environment (MPE) Description: MPE is investment and modernization activities required for Block 4 development, integration, test and evaluation of Mission Data Tools, Verification and Validation Systems, and Mission Planning Software/ Hardware. Funding related to key deliveries to Electronic Warfare Squadrons and F-35 Operational Squadrons and enables government and contractor labor for mission planning support environment. Other costs support Technology Investment for key Modernization/Innovation activities and Cloud based DevSecOps infrastructure. FY 2025 Plans: Continue development support for F-35 Mission Planning capability enhancements identified in approved requirements documents for Block 4 and modernization efforts within the mission planning support hardware		9.986	9.958	26.466	-	26.466

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / Combat Data Systems (CDS)		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>and software. Improve the common, tailorable MPSE software suite that supports all developmental and fielded OFP/ SDL releases, as well as introducing a virtualized environment that reduces development build times and administrative burdens for squadrons. Further enhance F-35 Next Generation Mission Planning program, focusing on development and certification of Ground Data Receptacle replacement, meeting latest cybersecurity directives. Field first iteration of cloud-developed NextGen Open Mission Systems (NOMS) mission planning software, leveraging DevSecOps development pipeline; begin development of classified components on IL 6+ JPO Cloud environment. Continue efforts to improve data transfer layer for improved operational data movement. Build upon MPSE efforts to partner with government organizations for software development and contract directly with equipment suppliers, continuing to reduce overhead costs and management burdens.</p> <p><i>FY 2026 Base Plans:</i> Continue development support for F-35 Mission Planning capability enhancements identified in approved requirements documents for Block 4 and modernization efforts within the mission planning support hardware and software. Improve the common, tailorable MPE software suite that supports all developmental and fielded Operational Flight Program (OFP)/Software Data Load (SDL) releases, as well as introducing a virtualized environment that reduces development build times and administrative burdens for squadrons. Further enhance F-35 Next Generation Mission Planning program, focusing on development and certification of Ground Data Receptacle replacement, meeting latest cybersecurity directives. Field first iteration of cloud developed NextGen Open Mission Systems (NOMS) mission planning software, leveraging DevSecOps development pipeline; begin development of classified components on IL6+ JPO Cloud environment; improve interoperability capabilities to support COCOM requirements. Continue efforts to improve data transfer layer for improved operational data movement. Build upon MPSE efforts to partner with government organizations for software development and contract directly with equipment suppliers, continuing to reduce overhead costs and management burdens.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Increase from FY2025 to FY2026 for overall MPE is due to focused Next Gen development to replace software and hardware and meet latest capabilities and security requirements for effective Mission Planning at Operational Squadrons and Depots.</p>						
Accomplishments/Planned Programs Subtotals		49.969	29.955	46.716	-	46.716
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673506 / Combat Data Systems (CDS)
<p>D. Acquisition Strategy</p> <p>Combat Data Systems Program Management Office (CDS PMO) continues to develop Joint Reprogramming Environment (JRE) and Mission Planning Environment (MPE) requirements by leveraging existing F-35 Joint Program Office contracts, use of Other Government (agencies/offices) Contracts (OGCs), and by developing and competing new contract actions for unique CDS PMO requirements.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673506 / Combat Data Systems (CDS)
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JRE Development - CRT Increment 1	C/CPIF	LM : Fort Worth, TX	19.227	17.575	Dec 2023	5.868	Nov 2024	5.900	Nov 2025	-		5.900	-	-	-
JRE Development - RVVS	C/CPIF	LM : Fort Worth, TX	14.282	10.340	Dec 2023	6.184	Nov 2024	3.350	Nov 2025	-		3.350	-	-	-
JRE Development - TR-3	C/CPIF	LM : Fort Worth, TX	3.729	-		0.000		0.000		-		0.000	-	-	-
JRE Development - Block 4 Capability Delivery (P2.3 Mod 5, BFC)	C/CPIF	LM : Fort Worth, TX	2.888	6.898	Jul 2024	3.644	Jul 2025	10.450	Jul 2026	-		10.450	-	-	-
JRE Development - Rapid Reprogramming	C/CPIF	LM : Fort Worth, TX	0.438	-		0.000		0.550	Dec 2025	-		0.550	-	-	-
JRE Development - Capability Development	MIPR	LM : Eglin AFB, FL	8.940	2.780	Dec 2023	2.674	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
MPE Development - F-35 Next Generation Mission Planning	C/CPIF	LM : Fort Worth, TX	14.672	3.922	Mar 2024	3.744	Mar 2025	18.600	Mar 2026	-		18.600	-	-	-
MPE Development - Capability Development	MIPR	Not specified. : Eglin AFB, FL	3.908	5.014	Dec 2023	5.100	Dec 2024	7.866	Dec 2025	-		7.866	-	-	-
Prior Year JRE Development no longer funded in the FYDP	C/CPFF	LM : Fort Worth, TX	3.588	-		-		-		-		-	-	-	-
Subtotal			71.672	46.529		27.214		46.716		-		46.716	-	-	N/A

Remarks

Increase from FY2025 to FY2026 for overall JRE is due to real-world development requirement needed in JRE Common Reprogramming Tool initial implementation in labs, and for Block 4 integration and ensured Air System Alignment.

Increase from FY2025 to FY2026 for overall MPE is due to focused Next Gen development to replace software and hardware and meet latest capabilities and security requirements for effective Mission Planning at Operational Squadrons and Depots.

Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JRE Development Support	MIPR	Eglin AFB, FL : TBD	12.459	2.390	Dec 2023	1.627	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673506 / Combat Data Systems (CDS)					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MPE Development Support	MIPR	Eglin AFB, FL : TBD	6.650	1.050	Dec 2023	1.114	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
Subtotal			19.109	3.440		2.741		0.000		-		0.000	-	-	N/A
Remarks Decrease from FY2025 into FY2026 to overall JRE and MPE 'Support' section is due to a correction/realignment of these development efforts performed by Other Government Contracts via MIPRs, i.e. Government service or contracts at other Government offices, realigned into 'Product Development' section as 'JRE or MPE Capability Development' via MIPRs.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			90.781	49.969		29.955		46.716		-		46.716	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673506 / <i>Combat Data Systems (CDS)</i>
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	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673506																												
Joint Reprogramming Environment (JRE): Common Reprogramming Tool (CR) Inc 1																												
Joint Reprogramming Environment (JRE): Reprogramming Verification & Validation Systems(RVVS)																												
Joint Reprogramming Environment (JRE): Block 4 Air System Alignment,Hardware,Training																												
Joint Reprogramming Environment (JRE): Rapid Reprogramming Initiatives																												
Mission Planning Environment (MPE): TR-3/Enablers for TR-3 - MPE USRL TR-3 Configuration																												
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 1																												
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 2																												
Mission Planning Environment (MPE): MPE NOMS DSOP - Cloud Development (Multiple)																												
Mission Planning Environment (MPE): OGCs - Contracts																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673506 / Combat Data Systems (CDS)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673506				
Joint Reprogramming Environment (JRE): Common Reprogramming Tool (CR) Inc 1	1	2024	4	2029
Joint Reprogramming Environment (JRE): Reprogramming Verification & Validation Systems(RVVS)	1	2024	3	2028
Joint Reprogramming Environment (JRE): Block 4 Air System Alignment,Hardware,Training	1	2024	4	2030
Joint Reprogramming Environment (JRE): Rapid Reprogramming Initiatives	1	2026	4	2030
Mission Planning Environment (MPE): TR-3/Enablers for TR-3 - MPE USRL TR-3 Configuration	1	2024	4	2030
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 1	1	2024	4	2024
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 2	1	2024	2	2027
Mission Planning Environment (MPE): MPE NOMS DSOP - Cloud Development (Multiple)	1	2024	4	2030
Mission Planning Environment (MPE): OGCs - Contracts	1	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force									Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673507 / Training Systems & Simulation			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673507: Training Systems & Simulation	164.462	61.472	54.987	74.332	0.000	74.332	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The F-35 Training Systems & Simulation Program Management Office (TSS PMO) development portfolio is aligned with the program's Continuous Capability Development & Delivery (C2D2) efforts and is organized in three primary lines of effort; Training System Capability Development (TSCD), Training Systems Investments (TSI) Roadmap, and Joint Simulation Environment (JSE) Development.												
Training System Capability Development (TSCD): Efforts will continue with a primary focus on alignment of Training System capabilities with other elements of the Air System. Specific efforts will include development of Block 4 capabilities to equivalent maturity of those in the Air Vehicle enabling release of one capability upgrade per year to the fleet, continued development of the Production Runtime Server (PRTS) - Pilot Training Device TR-3 equivalent - to enable Block 4 capabilities, continued development of Live-Virtual-Constructive (LVC) capabilities including Distributed Mission Training (DMT), and appropriate lab infrastructure to enable Training System development.												
Training Systems Investments (TSI) Roadmap: Development efforts will continue to focus on modernization of activities outlined in the TSS PMO roadmaps that will target the requirement of bringing higher fidelity training to the warfighter. Specific development and testing efforts focus on software architecture modernization, hardware architecture modernization, and Synthetic Threat Enhancement.												
Joint Simulation Environment (JSE): Development, integration and testing efforts will continue to focus on keeping F-35 In-A-Box (FIAB) software concurrent with aircraft capabilities and injecting complex threat/sensor models to establish an operationally representative simulation environment required for operational test trial validity, and the completion of Verification, Validation and Accreditation (VV&A) activities for F-35 Block 4 modernization. Efforts will include FIAB development, fidelity and capability upgrades to existing threats/sensors/weapons models, development of new threat/sensor/weapon models, and environment upgrades to enable effective verification of Block 4 capabilities. Efforts will continue toward expansion of JSE capability to F-35 Training Sites.												
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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Title: Training Systems Capability Development (TSCD)							43.248	37.567	39.670	-	39.670	

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: Efforts will continue with a primary focus on alignment of Training System capabilities with other elements of the Air System. Specific efforts will include development of capabilities (C11-3) to equivalent maturity of those in the Air Vehicle enabling release of one capability upgrade per year to the fleet, continued development of the Production Runtime Server (PRTS) - Pilot Training Device TR-3 equivalent - to enable C11-3 capabilities, continued development of Live-Virtual-Constructive (LVC) capabilities including Distributed Mission Training (DMT), and appropriate lab infrastructure to enable Training System development.</p> <p>FY 2025 Plans: Efforts will continue to support development, integration and test of Block 4 capabilities in the Training System with a focus on equivalent capability maturity between the Training System and other elements of the Air System and preparing relevant capability upgrades (Pilot Training, Maintainer Training, Instructional Products) for release to the fleet in FY 2025. Additionally, the Production RunTime Server (PRTS) will continue critical development, integration and test activities required to enable TR-3 training capabilities. The Distributed Mission Trainer (DMT) Program will continue with development activities to ensure DMT can support the C11-3 capabilities to be leveraged via US networks and inline with overall Air System Capability to include certified and exportable Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Enterprise. Within the Live-Virtual-Constructive (LVC) portfolio, requirements derivation and planning actives for Enhanced Embedded Training and TCTS II integration will continue to evolve to support the US Service's LVC integrated training environment. Training System lab infrastructure assets will be configured to enable current and future Training System development activities across the portfolio. Effects Based Simulation (EBS) will continue design, development, and integration activities to support requirements analysis and pilot training tasks.</p> <p>FY 2026 Base Plans: Efforts will continue to support development, integration and test of Block 4 capabilities in the Training System with a focus on equivalent capability maturity between the Training System and other elements of the Air System and preparing relevant capability upgrades (Pilot Training, Maintainer Training, Instructional Products) for release to the fleet. Additionally, the Production RunTime Server (PRTS) will continue critical development, integration and test activities required to enable TR-3 training capabilities. The Distributed Mission Trainer (DMT) Program will continue with development activities to ensure DMT support across US networks and are in-line with overall Air System Capability to include certified and exportable Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Enterprise. Within the Live-Virtual-Constructive (LVC) portfolio, requirements derivation and planning actives for Enhanced Embedded Training will continue to evolve to support the US Service's LVC integrated training environment. Training System lab infrastructure assets will be configured to enable current and future Training System development activities across the portfolio. Effects</p>						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Based Simulation (EBS) will continue design, development, and integration activities to support requirements analysis and pilot training tasks. FY 2025 to FY 2026 Increase/Decrease Statement: The increase from FY2025 to FY2026 is due to TSS PMO ramping up efforts that are critical to delivering training devices to ensure Air System Alignment. These efforts include development of rehosted Operational Flight Program (OFP) software and development of the PRTS hardware solution needed to field TR-3 OFPs in the Training System. Additionally, TSS PMO will ramp up development of Distributed Mission Training capabilities in order to enable multi-quad and distributed Training across the F-35 Enterprise. Development efforts will also increase to ensure the F-35 Effects Based Simulation (EBS) stays aligned to the Air Vehicle for Block 4 capabilities.						
Title: Training Systems Investments (TSI) Roadmap Description: Development efforts will continue to focus on modernization of activities outlined in the TSS PMO roadmaps that will target the requirement of bringing higher fidelity training to the warfighter. Specific development and testing efforts focus on software architecture modernization, hardware architecture modernization, and Synthetic Threat Enhancement. FY 2025 Plans: Efforts will continue to support analysis, design, development, integration and test of Block 4 capabilities in the Training System with a focus on equivalent capability maturity between the Training System and other elements of the Air System and preparing relevant capability upgrades (Pilot Training, Maintainer Training, Instructional Products) for release to the fleet in FY 2025. Additionally, F-35 Lightning Integrated Training Environment (FLITE) will continue critical development, integration and test activities with the first delivery expected in FY 2026. The Distributed Mission Training (DMT) Program will continue with development activities to ensure DMT can support the CI1-3 capabilities to be leveraged via US networks and in-line with overall Air System Capability to include certified and exportable Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Enterprise. DMT will ensure the connection of F-35 Pilot Training Devices (PTDs) to customer provided and accredited Wide Area Networks (WAN) to facilitate connecting multiple sites and enabling a virtual training environment in a common synthetic environment for the US Services. Within the Live-Virtual-Constructed (LVC) portfolio, requirements derivation and planning activities for Enhanced Embedded Training and TCTS II integration will continue to evolve to support the US LVC integrated training environment. FY 2026 Base Plans:		4.568	3.764	10.000	-	10.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Efforts will continue to support analysis, design, development, integration and test of Block 4 capabilities in the Training System with a focus on equivalent capability maturity between the Training System and other elements of the Air System and preparing relevant capability upgrades (Pilot Training, Maintainer Training, Instructional Products) for release to the fleet. Additionally, F-35 Lightning Integrated Training Environment (FLITE) will continue critical development, integration and test activities. The Distributed Mission Training (DMT) Program will continue with development activities to ensure DMT can support the US networks and are in-line with overall Air System Capability to include certified and exportable Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Enterprise. DMT will ensure the connection of F-35 Pilot Training Devices (PTDs) to customer provided and accredited Wide Area Networks (WAN) to facilitate connecting multiple sites and enabling a virtual training environment in a common synthetic environment for the US Services. Within the Live-Virtual-Constructed (LVC) portfolio, requirements derivation and planning actives for Enhanced Embedded Training will continue to evolve to support the US LVC integrated training environment. FY 2025 to FY 2026 Increase/Decrease Statement: The increase from FY2025 to FY2026 is due to TSS PMO ramping up efforts that are critical to delivering training devices to ensure Air System Alignment. TSS PMO will ramp up development activities on the F-35 Lightning Integrated Training Environment (FLITE), which is a critical component of staying in alignment with the Air Vehicle. Additionally, TSS PMO will ramp up development of Distributed Mission Training capabilities in order to enable multi-quad and distributed Training across the F-35 Enterprise. Development efforts will also increase on Enhanced Embedded Training to support the US LVC integrated training environment.						
Title: Joint Simulation Environment (JSE) Development Description: Development and testing efforts will continue with a focus on remaining F-35 In-A-Box (FIAB) software integration, complex threat/sensor model integration to establish operationally representative simulation environment required for operational test trial validity, and the completion of Verification, Validation and Accreditation (VV&A) activities for F-35 Block 4 modernization. Efforts will include FIAB development, model fidelity and capability upgrades for existing threats/sensors/weapons, development of new threat/sensor/weapon models, and environment upgrades to enable effective verification of Block 4 capabilities. Efforts will continue toward expansion of F-35 Training Sites. FY 2025 Plans: Efforts will include modernization of FIAB software development and integration, model fidelity and capability upgrades for existing threats/sensors/weapon models, development of new threat/sensor/weapon models, and		13.656	13.656	24.662	-	24.662

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation	
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025
<p>environment upgrades to enable effective verification of Block 4 capabilities. Planning efforts will continue toward expansion of JSE capability to Edwards AFB and Nellis AFB.</p> <p><i>FY 2026 Base Plans:</i> Efforts will include modernization of F-35 In-A-Box (FIAB) software development and integration, model fidelity and capability upgrades for existing threats/sensors/weapon models, development of new threat/sensor/weapon models, and environment upgrades to enable effective verification of Block 4 capabilities. Planning efforts will continue toward expansion of JSE capability to F-35 Training Sites.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increased due to updating the FIAB/JSE baselines to align with new capabilities and maturing a training end item to field JSE to sites outside of Pax River. This requires additional lab resources and personnel to complete the non-recurring engineering efforts.</p>					
Accomplishments/Planned Programs Subtotals				61.472	54.987
				74.332	-
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
<p>The majority of Training System capability development requirements (CI1-3 development, PRTS development, Lab Infrastructure) will be executed via training specific CLINs in Enterprise-level development contracts (Block 4 - Phase 2.3, Development Foundation). Training System Investment requirements will be executed via a combination of training specific CLINs in Enterprise-level contracts, TSS PMO specific contract actions and Other Transaction Authority (OTA) contracts. JSE development requirements will be executed via a combination of Enterprise-level contract actions and MIPR transactions to support OGC activities.</p>					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673507 / Training Systems & Simulation					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Training System Alignment (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	45.673	32.248	Nov 2023	16.992	Nov 2024	22.000	Nov 2025	-		22.000	-	-	156.494
Prime PTD TR-3 Development (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	26.336	4.500	Nov 2023	11.100	Nov 2024	6.500	Nov 2025	-		6.500	-	-	87.945
Prime Training Lab Infrastructure (TSCD)	C/CPFF	Lockheed Martin : Ft. Worth, TX	23.745	5.000	Nov 2023	7.250	Nov 2024	7.500	Nov 2025	-		7.500	-	-	73.316
Live-Virtual- Constructive (LVC) - DMT (TSCD)	C/CPFF	Lockheed Martin : Ft. Worth, TX	3.500	0.000	Nov 2023	1.000	Nov 2024	2.500	Nov 2025	-		2.500	-	-	35.389
Effects Based Simulation Development (TSCD)	C/CPFF	J.F. Taylor Inc. : Lexington Park, MD	1.200	1.500	Nov 2023	1.225	Nov 2024	1.170	Nov 2025	-		1.170	-	-	15.258
Hardware Re-architecture (TSI)	Various	Not specified. : TBD	3.733	3.000	Nov 2023	1.750	Nov 2024	0.000	Nov 2025	-		0.000	-	-	20.223
Software Re-architecture (TSI)	C/CPIF	Lockheed Martin : Ft. Worth, TX	12.405	1.568	Nov 2023	2.014	Nov 2024	10.000	Nov 2025	-		10.000	-	-	46.379
Synthetic Threat Enhancement (TSI)	C/CPFF	Lockheed Martin : Ft. Worth, TX	0.350	0.000	Nov 2023	0.000	Nov 2024	0.000	Nov 2025	-		0.000	-	-	16.664
JSE Prime FIAB Development	C/CPIF	Lockheed Martin : Ft. Worth, TX	12.011	11.958	Nov 2023	4.156	Nov 2024	6.500	Nov 2025	-		6.500	-	-	55.394
JSE VWC Development	Various	Various : TBD	0.000	-		-		-		-		-	-	-	7.592
Subtotal			128.953	59.774		45.487		56.170		-		56.170	-	-	N/A
Remarks															
Increase in Prime LM Training System Alignment (TSCD) from FY2025 to FY2026 is due to development efforts for Distributed Mission Training, rehosted OFP software, and the PRTS hardware solution needed to field TR-3 OFPs in the Training System.															
Increase in Software Re-architecture (TSI) from FY2025 to FY2026 is due to increased development activities on the F-35 Lightning Integrated Training Environment (FLITE), Distributed Mission Training capabilities, and for Enhanced Embedded Training and TCTS II integration to support the US LVC integrated training environment.															
Increase in Prime LM FIAB Development (JSE) from FY2025 to FY2026 is due to the non-recurring engineering efforts required to aid alignment with new capabilities and maturation of a training end item to field JSE to sites outside of Pax River.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2						Project (Number/Name) 673507 / Training Systems & Simulation			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JSE Pax Development Support	MIPR	NAWCAD : NAS Patuxent River, MD	27.907	1.325	Nov 2023	7.500	Nov 2024	15.000	Nov 2025	-		15.000	-	-	50.892
JSE Other Development Support	Various	Various : TBD	7.466	0.373	Nov 2023	2.000	Nov 2024	3.162	Nov 2025	-		3.162	-	-	5.063
JSE EBS Development Support	Various	Various : TBD	0.136	-		-		-		-		-	-	-	1.539
Subtotal			35.509	1.698		9.500		18.162		-		18.162	-	-	N/A
Remarks Increase in Development Support (JSE) efforts from FY 2025 to FY 2026 is due to additional lab resources and personnel required to complete the non-recurring engineering efforts that accompany new capabilities.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			164.462	61.472		54.987		74.332		-		74.332	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673507 / Training Systems & Simulation
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	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673507																												
Training System Capability Development																												
Training System Lab Infrastructure																												
Production Run-Time Server (PRTS) TR-3 Development																												
Effects Based Simulation (EBS) Capability Development																												
Distributed Mission Training (DMT)																												
F-35 Lightning Integrated Training Environment (FLITE)																												
Weapon Service Development																												
Common Training Services																												
Synthetic Threat Enhancement																												
Joint Simulation Environment Capability Development and Air System Alignment																												
Joint Simulation Environment Threat and Weapon Model Development																												
Joint Simulation Environment, Capability Development & Air System Alignment																												
Joint Simulation Environment Block 4 Capability Development																												
Joint Simulation Environment F-35 30S08 F-35 In-A-Box Prototype Delivery																												
Joint Simulation Environment F-35 30S08 F-35 In-A-Box and JSE FOT&E																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673507 / Training Systems & Simulation	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673507				
Training System Capability Development	1	2024	4	2030
Training System Lab Infrastructure	1	2024	4	2030
Production Run-Time Server (PRTS) TR-3 Development	1	2024	4	2026
Effects Based Simulation (EBS) Capability Development	1	2024	4	2030
Distributed Mission Training (DMT)	1	2024	4	2030
F-35 Lightning Integrated Training Environment (FLITE)	1	2024	4	2026
Weapon Service Development	1	2024	2	2025
Common Training Services	1	2024	3	2028
Synthetic Threat Enhancement	1	2024	4	2030
Joint Simulation Environment Capability Development and Air System Alignment	1	2024	4	2030
Joint Simulation Environment Threat and Weapon Model Development	1	2024	4	2030
Joint Simulation Environment, Capability Development & Air System Alignment	1	2024	4	2030
Joint Simulation Environment Block 4 Capability Development	1	2024	4	2030
Joint Simulation Environment F-35 30S08 F-35 In-A-Box Prototype Delivery	3	2024	3	2024
Joint Simulation Environment F-35 30S08 F-35 In-A-Box and JSE FOT&E	1	2026	3	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673508 / Infrastructure & Support Costs			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673508: Infrastructure & Support Costs	130.342	131.439	84.758	130.313	0.000	130.313	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F-35 Joint Program Office equips U.S. and allied forces with operational F-35 weapon systems in support of military and national security operations. The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee acquisition programs throughout their life cycle. The acquisition workforce funded in this program element will support development phases of acquisition programs to include material solution analysis, technology development, engineering and manufacturing development. This funding does not include costs for base operating support civilian personnel. This program element supports both civilian pay and non-pay support requirements. Additional infrastructure and program management support costs include travel, supplies, contractor support including advisory and assistance support, off-base lease costs, program office IT, cybersecurity, model-based systems engineering, and risk reduction studies including audit readiness and affordability initiatives directly related to C2D2 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. In FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: F-35 JPO AFLCMC Civilian Pay	79.413	66.658	95.340	-	95.340
Description: The acquisition and product support workforce provides cutting edge weapon systems, sustainment capabilities, and is charged with providing management, tools, and technical and business capabilities needed to oversee F-35 acquisition programs throughout its life cycle.					
FY 2025 Plans: Continue to fund the F-35 Joint Program Office acquisition and product support workforce.					
FY 2026 Base Plans: Continue to fund the F-35 Joint Program Office acquisition and product support workforce.					
FY 2025 to FY 2026 Increase/Decrease Statement:					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673508 / Infrastructure & Support Costs	
B. Accomplishments/Planned Programs (\$ in Millions)					
	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Funding increased due to Average Work Year Cost (AWYC) adjustments, inflation, personnel retention initiatives, and personnel increases to support new development capabilities.					
Title: Core Program Support/Contract Support Services (CSS) Support Description: Includes off-base leases, Advisory and Assistance Services (A&AS), travel, supplies, Navy Working Capital fund subject matter expert support, program office IT, cybersecurity, model-based systems engineering, risk reduction and affordability studies, and program office audit support directly related to C2D2 development efforts. FY 2025 Plans: Continue to support program office efforts, including Arlington, VA and Dayton, OH program unique off-base lease costs, CSS support, travel, supplies, Navy working capital technical SME labor, program office IT, cybersecurity, model-based systems engineering, risk reduction and affordability studies, and program office audit support directly related to C2D2 development efforts. FY 2026 Base Plans: Continued support of program office efforts, including Arlington, VA and Dayton, OH program unique off-base lease costs, CSS support, travel, supplies, Navy working capital technical SME labor, program office IT, cybersecurity, model-based systems engineering, risk reduction and affordability studies, and program office audit support directly related to C2D2 development efforts. FY 2025 to FY 2026 Increase/Decrease Statement: Increase from FY2025 to FY2026 is due to price adjustments and/or inflation for off-base facilities, investment in audit support (FIAR compliance), and to complete planning of development efforts and additional sub-program reporting responsibilities.	52.026	18.100	34.973	-	34.973
Accomplishments/Planned Programs Subtotals	131.439	84.758	130.313	-	130.313
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
N/A					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673508 / Infrastructure & Support Costs					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Program Support Cyber Risk Reduction	Various	Various : TBD	2.200	1.057	Dec 2023	1.200	Dec 2024	0.000	Jul 2026	-		0.000	-	-	-
Core Program Support Model-Based Systems Engineering	Various	Various : TBD	0.700	0.870	Feb 2024	0.500	Feb 2025	0.610	Jul 2026	-		0.610	-	-	-
Core Program Support Air Worthiness Support and Cyber Safe Support	C/FFP	DTIC : TBD	0.000	-		-		-		-		-	-	-	-
Subtotal			2.900	1.927		1.700		0.610		-		0.610	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
F-35 JPO AFLCMC Civilian Pay	MIPR	Wright Patterson AFB, OH : TBD	79.413	79.413	Oct 2023	66.658	Oct 2024	95.340	Oct 2025	-		95.340	-	-	-
CSS Support	Various	Various : TBD	19.007	19.401	Dec 2023	5.300	Dec 2024	4.378	Nov 2026	-		4.378	-	-	-
Civ Support	RO	NWCF : TBD	0.000	-		-		-		-		-	-	-	-
Core Program Support Audit Data Integration	MIPR	DTIC : TBD	0.000	-		-		3.725	Jul 2026	-		3.725	-	-	-
Core Program Support Audit Accountable Property	MIPR	DLA : Philadelphia, PA	0.000	-		-		7.200	Aug 2026	-		7.200	-	-	-
Core Program Support IT software, hardware, and networks	MIPR	Various : TBD	0.000	1.478	Mar 2025	-		3.950	Jul 2026	-		3.950	-	-	-
Core Program Support Off-Base Leases	MIPR	WHS : NCR	26.970	26.970	Oct 2023	9.500	Oct 2024	13.780	Oct 2025	-		13.780	-	-	-
Core Program Support Travel	Various	Various : TBD	1.850	1.850	Oct 2023	1.200	Oct 2024	1.000	Oct 2025	-		1.000	-	-	-
Core Program Support GPC	Various	GPC : Arlington, VA	0.202	0.400	Oct 2023	0.400	Oct 2024	0.330	Oct 2025	-		0.330	-	-	-
Subtotal			127.442	129.512		83.058		129.703		-		129.703	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673508 / Infrastructure & Support Costs					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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															
Increase from FY2025 to FY2026 is due to price adjustments and/or inflation for off-base facilities, investment in audit support (FIAR compliance), and to complete planning of development efforts and additional sub-program reporting responsibilities.															
Efforts previously captured within the "CSS Support/Civ Support" Cost Category have been broken out into separate Cost Categories beginning in FY2026, to increase transparency and traceability into Program Office and Analytics efforts, and to align to program actuals. These new Cost Categories in the R3 are not new starts.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			130.342	131.439		84.758		130.313		-		130.313	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0604840F / F-35 C2D2

Project (Number/Name)
673508 / Infrastructure & Support Costs

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
673508																												
Continued JPO Infrastructure and Support Costs																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673508 / Infrastructure & Support Costs

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673508				
Continued JPO Infrastructure and Support Costs	1	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673509 / DevSecOps			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673509: DevSecOps	40.768	18.425	23.540	19.870	0.000	19.870	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F-35 Software Development, Security & Operations (DevSecOps) Cloud platform environment allows for US Government and contracted software development teams to produce, test and deploy capabilities for F-35 supported Project Management Offices (PMO) and Directorates. This includes providing support to the Combat Data Systems (CDS), Air Vehicle (AV), Maintenance Systems (MxSYS), Propulsion, Training Systems and Simulation (TSS) PMOs, and Directorate of Engineering. The mission of DevSecOps is to provide a centralized F-35 Data repository, a consolidated F-35 software development environment, and support for system development lifecycle (SDLC) of the F-35 platform, allowing for rapid release cycles to keep the F-35 ahead of its adversaries. Investment in, and modernization of, DevSecOps include efforts to support F-35 Software modernization efforts, develop organic government software capabilities, support SDLC and flight testing capabilities, enhance the security posture of the software development pipeline, and support goals of reducing long-term on-premise infrastructure environments cost, ultimately resulting in reducing fleet delivery timelines.

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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: DevSecOps Support	18.425	23.540	19.870	-	19.870
Description: The F-35 Software Development, Security & Operations (DevSecOps) Cloud platform environment allows for US Government and contracted software development teams to produce, test and deploy capabilities for F-35 supported Project Management Offices (PMO) and Directorates. This includes providing support to the Combat Data Systems (CDS), Air Vehicle (AV), Maintenance Systems (MxSYS), Propulsion, Training Systems and Simulation (TSS) PMOs, and Directorate of Engineering. The mission of DevSecOps is to provide a centralized F-35 Data repository, a consolidated F-35 software development environment, and support for system development lifecycle (SDLC) of the F-35 platform, allowing for rapid release cycles to keep the F-35 ahead of its adversaries. Investment in, and modernization of, DevSecOps include efforts to support F-35 Software modernization efforts, develop organic government software capabilities, support SDLC and flight-testing capabilities, enhance the security posture of the software development pipeline, and support goals of reducing long-term on-premise infrastructure environments cost, ultimately resulting in reducing fleet delivery timelines.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673509 / DevSecOps		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>FY 2025 Plans:</p> <p>Continue development and support for DevSecOps infrastructure, platform, software development pipeline, and joint F-35 organizational connections. Continue to develop a transition plan to stand-up a team consisting of Industry and Government software development in support of software modernization and DevSecOps Cloud transition. Establish initial capabilities and expand existing software development efforts with the goal of transitioning dispersed and separated software development environments into model based systems engineering and a fully collaborative requirements to development environment. Capabilities include software development environment for Maintenance Systems ODIN, ALIS to ODIN migration, Combat Data System's Mission Planning, Propulsion's Offboard Management System, and Air Vehicle Mission System domains. Additional goals of delivering flight-worthy rapid prototyping of capability, virtual test capability, and transitioning workloads to lower cost software sustainment efforts. New requirements from PMOs are expected. Prepare environment for on-boarding, as well as transitioning the PMOs from separate pillars to a centralized JPO-managed cloud environment. Includes software licensing for PMO tool sets and associated applications. Major cost drivers include requirements tool, and collaboration tools, authentication tools - supporting Single Sign On, Multi-Factor Authentication and development tools. For software tooling efforts, working towards an eventual consolidation of tools across the PMOs (i.e. application rationalization) with an end goal of a standardized compiler tool sets and Cybersecurity compliance. Accordingly, talent/consumption (hardware and software to run the environment) contracts must be renewed and expanded. Cybersecurity requirements must also be met, meaning additional resources for security processes, monitoring, scanning, vulnerability identification plus mitigation, and meeting all requirements for DoD compliance to obtain ongoing ATO and cATO.</p> <p>FY 2026 Base Plans:</p> <p>Continue development and support for DevSecOps infrastructure, platform, software development pipeline, and joint F-35 organizational connections. Establish initial capabilities and expand existing software development efforts with the goal of transitioning dispersed and separated software development environments into model based systems engineering and a fully collaborative requirements to development environment. Capabilities include software development environment for Maintenance Systems ODIN, ALIS to ODIN migration, Combat Data System's Mission Planning, Propulsion's Offboard Management System, and Air Vehicle Mission System domains. Additional goals of delivering flight-worthy rapid prototyping of capability, virtual test capability, and transitioning workloads to lower cost software sustainment efforts. New requirements from PMOs are expected. Prepare environment for on-boarding, as well as transitioning the PMOs from separate pillars to a centralized JPO-managed cloud environment. Includes software licensing for PMO tool sets and associated applications. Major cost drivers include requirements tool, and collaboration tools, authentication tools - supporting Single Sign On, Multi-Factor Authentication and development tools. For software tooling efforts, working towards</p>						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025					
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673509 / DevSecOps				
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
an eventual consolidation of tools across the PMOs (i.e. application rationalization) with an end goal of a standardized compiler tool sets and Cybersecurity compliance. Accordingly, talent/consumption (hardware and software to run the environment) contracts must be renewed and expanded. Cybersecurity requirements must also be met, meaning additional resources for security processes, monitoring, scanning, vulnerability identification plus mitigation, and meeting all requirements for DoD compliance to obtain ongoing/continuous Authority to Operate (ATO) and continuous Authority to Operate (cATO).								
FY 2025 to FY 2026 Increase/Decrease Statement: Overall funding decreases in FY2026 due to the descope of DevSecOps talent and Cloud Platform Services, specifically related to foundational Continuous Integration/Continuous Deployment (CI/CD) components and infrastructure modernization. These reductions are part of a phased approach designed to optimize resource allocation and minimize disruption to ongoing operations, while still supporting the advancement of our overall DevSecOps strategy. Additional license support is required to accommodate continued growth in software development within the Joint Program Office (JPO).								
Accomplishments/Planned Programs Subtotals				18.425	23.540	19.870	-	19.870
C. Other Program Funding Summary (\$ in Millions) N/A								
Remarks								
D. Acquisition Strategy The DevSecOps Phase 1 demonstrates prototype designs, integration of Defense Industry Base partners and PMOs, appropriate set of technology stacks to be integrated, identifying ROI and buying down technical risk. Technology maturation: putting in place the necessary contracts for talent, licenses and Cloud consumption to support software pipeline delivery for F-35. Development; building, testing and deploying Cloud ecosystems Impact Level (IL) 2 - 6+ and software development pipeline utilizing contracted and government support. Operation and Support; maintain Cloud ecosystem utilizing industry research, resources, talent and technology modernization methodologies with the focus on reducing long-term costs for the program.								

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673509 / DevSecOps					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DevSecOps Development Support - Talent	C/Various	TBD : TBD	23.260	10.045	Jan 2024	12.107	Jan 2025	10.805	Jan 2026	-		10.805	-	-	-
DevSecOps Development Support - Licenses & Tools	C/TBD	TBD : TBD	7.687	4.680	Jun 2024	4.400	Jun 2025	5.802	Jul 2026	-		5.802	-	-	-
DevSecOps Development Support - Cloud Platform Service	C/FFP	Amazon Web Services : Settle, WA	9.821	2.050	Dec 2023	4.400	Dec 2024	3.263	Mar 2026	-		3.263	-	-	-
DevSecOps Development Support - Industry Stand-up	C/FFP	TBD : TBD	0.000	1.650	Mar 2024	2.633	Mar 2025	0.000		-		0.000	-	-	-
Subtotal			40.768	18.425		23.540		19.870		-		19.870	-	-	N/A
Remarks															
Decrease from FY2025 to FY2026 is due to revised estimate within cloud infrastructure, talent, and support costs.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			40.768	18.425		23.540		19.870		-		19.870	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604840F / F-35 C2D2

Project (Number/Name)

673509 / DevSecOps

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Project Milestones																												
Contract Award: DevSecOps Talent																												
Contract Award: DevSecOps Cloud Platform Service																												
Contract Award: DevSecOps: Licenses & Tools																												
System Development																												
AWS Impact Level 5 Research, Development and Test																												
AWS Impact Level 6 Buildout																												
AWS Impact Level 6 Research, Development and Test																												
AWS Impact Level 6+ (SAP) Buildout																												
AWS Impact Level 6+ (SAP) Research, Development and Test																												
Data Transfer as a Service (DTaaS) Research, Development and Test																												
Cloud Gateway (Collateral) LM Connection																												
Cloud Gateway (Collateral) Research, Development and Test																												
Cloud Gateway (SAP) Research, Development and Test																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673509 / DevSecOps	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Project Milestones</i>				
Contract Award: DevSecOps Talent	1	2024	4	2028
Contract Award: DevSecOps Cloud Platform Service	1	2024	4	2028
Contract Award: DevSecOps: Licenses & Tools	1	2024	4	2028
<i>System Development</i>				
AWS Impact Level 5 Research, Development and Test	1	2024	4	2028
AWS Impact Level 6 Buildout	3	2024	3	2025
AWS Impact Level 6 Research, Development and Test	4	2024	4	2028
AWS Impact Level 6+ (SAP) Buildout	1	2024	1	2025
AWS Impact Level 6+ (SAP) Research, Development and Test	1	2024	4	2028
Data Transfer as a Service (DTaaS) Research, Development and Test	1	2024	4	2028
Cloud Gateway (Collateral) LM Connection	1	2025	3	2025
Cloud Gateway (Collateral) Research, Development and Test	2	2025	4	2028
Cloud Gateway (SAP) Research, Development and Test	4	2024	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
673510: Utility and Subsystem Support to Mission Systems	0.000	16.263	37.251	27.332	0.000	27.332	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

1.As the United States and its allies are adding new capabilities to outpace growing threats, increased cooling and electrical power capacity will be required to support these new capabilities. In order to address increased thermal loads from new Mission Systems requirements, an upgrade to the Power Thermal Management System (PTMS), the Fuel Thermal Management System (FTMS), and Electrical Power System (EPS) is required.

2.FY2025 Power Thermal Management Upgrade (PTMU) includes a 10M Congressional Add.

A. Mission Description and Budget Item Justification

The Power Thermal Management Upgrade (PTMU) program will provide the required power and cooling upgrade to the current F-35 thermal management system to meet the estimates for a 5th Generation F-35 fighter. During development, air vehicle cooling requirements grew to exceed planned bleed air extraction. To provide the necessary bleed air, the engine was required to run hotter, and early engineering assessments indicate that this increase in operating temperature decreases engine life, resulting in earlier depot inductions and an increase in life cycle cost. Future capabilities and mission systems will be limited by PTMS cooling capacity. With threats continuing to develop, the F-35 requires new mission systems to out pace the emerging threats to remain relevant and lethal. This upgrade will consist of modifications to the current Power Thermal Management System (PTMS), Fuel Thermal Management System (FTMS), and Electrical Power System (EPS). This work includes nonrecurring engineering for the development, test, and certification of the upgraded PTMS, FTMS, and EPS systems to ensure suitable cooling is available for future capacities.

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 FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Power Thermal Management Upgrade (PTMU)	16.263	37.251	27.332	0.000	27.332
Description: Current Mission System planning estimates due to Block 4 capabilities and beyond indicate that additional cooling is required. This upgrade/modification includes larger heat exchangers, shifting some systems from the cold liquid loop to the hot liquid loop, increasing system pressure, increasing pump speeds and raising					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673510 / <i>Utility and Subsystem Support to Mission Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>compressor discharge temperatures. This work includes nonrecurring engineering for the development, test, and certification of the PTMS system to ensure suitable cooling is available for future capacities.</p> <p><i>FY 2025 Plans:</i> Continue nonrecurring engineering effort to increase PTMS Upgrade cooling requirements and continued maturation of potential Thermal Management Systems (TMSs). This work includes the necessary labor and nonrecurring engineering to support development of the cooling PTMS system and a detailed schedule of EMD to include the necessary operational testing and flight tests.</p> <p><i>FY 2026 Base Plans:</i> Continue non-recurring engineering effort to increase PTMS Upgrade cooling requirements and continued maturation of potential Thermal Management Systems (TMSs). This work includes the necessary labor and non-recurring engineering to support development of an upgraded PTMS, FTMS, and EPS through efforts such as requirements development, trade studies, technology maturation, technical risk reduction activities, and establishing a digital program infrastructure through modeling.</p> <p><i>FY 2026 OOC Plans:</i> N/A</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY2026 funding decreased as compared to FY2025 to reflect descopeing the Systems Analysis contract in alignment with a strategic delay in the PTMU program to prioritize support to the F-35 Block 4 Subprogram.</p> <p>FY2025 Power Thermal Management Upgrade (PTMU) includes a \$10M Congressional Add.</p>						
Accomplishments/Planned Programs Subtotals		16.263	37.251	27.332	0.000	27.332
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
D. Acquisition Strategy						
PTMU plans to execute a sole-source acquisition strategy to Lockheed Martin Aero to be the integrator of a thermal management upgrade to a post-Block 4 F-35. All PTMU contracts will use cost-type contracts for capability development, which balances execution risk while ensuring delivery of high-quality design results in a						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems
<p>sole-source environment. Furthermore, incentive structures will be utilized, as appropriate, to drive cost, schedule, and performance outcomes to expedite delivery of capability to the warfighter.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PTMU Systems Analysis	C/CPIF	Lockheed Martin : Fort Worth,, TX	0.000	16.263	Oct 2024	37.251	Feb 2025	26.332	Nov 2025	-		26.332	-	-	-
PTMU Digital Engineering	TBD	Various : Various	0.000	-		-		1.000	Nov 2025	-		1.000	-	-	-
Subtotal			0.000	16.263		37.251		27.332		-		27.332	-	-	N/A
Remarks															
1. Cost Category "SEIT NRE" used prior to PB26 has been renamed to PTMU Systems Analysis.															
2. FY2026 funding decreased to reflect descoping the Systems Analysis contract in alignment with a strategic delay in the PTMU program to prioritize support to the F-35 Block 4 Subprogram.															
3. FY2025 PTMU System Analysis includes a \$10M Congressional Add.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	16.263		37.251		27.332		-		27.332	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2					Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Power Thermal Management Upgrade (PTMU)																												
PTMU: Early Lifecycle System Engineering																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Power Thermal Management Upgrade (PTMU)				
PTMU: Early Lifecycle System Engineering	1	2025	1	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 674871 / Information Operations Technology			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674871: Information Operations Technology	0.000	0.342	0.343	0.334	0.000	0.334	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) 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 element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024, \$79.4M was expended for civilian pay expenses in this project element, and in FY 2025, \$66.7M is forecasted for civilian pay expenses in this project element.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Information Operations Technology	0.342	0.343	0.334	-	0.334
Description: Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) Capabilities.					
FY 2025 Plans: Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) Capabilities.					
FY 2026 Base Plans: Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) Capabilities.					
FY 2025 to FY 2026 Increase/Decrease Statement: N/A					
Accomplishments/Planned Programs Subtotals	0.342	0.343	0.334	-	0.334

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

Remarks

D. Acquisition Strategy
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 674871 / Information Operations Technology					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Software Agreement (ESA)	C/FFP	Dell Marketing L.P. : Austin, TX	0.000	0.342		0.343		0.334		-		0.334	-	-	-
Subtotal			0.000	0.342		0.343		0.334		-		0.334	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.342		0.343		0.334		-		0.334	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 7	PE 0604840F / F-35 C2D2	674871 / Information Operations Technology	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Information Operations Technology																												
Enterprise Software Agreement (ESA)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 674871 / Information Operations Technology

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Information Operations Technology				
Enterprise Software Agreement (ESA)	1	2024	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	63.451	49.739	64.050	0.000	64.050	-	-	-	-	-	-
676003: HRM Structural Development	0.000	63.451	49.739	64.050	0.000	64.050	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: N86												
A. Mission Description and Budget Item Justification												
<p>The Air Force Integrated Personnel and Pay System (AFIPPS) is a web-enabled, Enterprise Resource Planning (ERP) solution that integrates existing personnel and pay processes into one self-service system. AFIPPS supports how the Department of the Air Force (DAF) owns and operates the Human Resource Management domain and is a component of the AF/A1 digital transformation journey, currently underway. AFIPPS continues the transformation by providing an accurate and single authoritative source of personnel data to ensure timely delivery of pay, entitlements, allowances, and benefits to all Active Duty Air and Space Forces, Air National Guard (ANG), and Reserve (USAFR) components. AFIPPS represents the DAF's commitment to modernize business practices and provide enhanced support to service members and their families by integrating personnel and pay systems. AFIPPS will eliminate DAF reliance on the unsustainable Defense Finance and Accounting System (DFAS) and the Defense Joint Military Pay System (DJMS) for payroll processing and ensures improved auditability of service member pay.</p>												
<p>The AFIPPS program directly increases readiness for total force service members, human resources and financial management specialists, and DAF Commanders. AFIPPS will improve the DAF community's experience by allowing members to self-initiate pay/personnel actions, decreasing pay errors, and providing accurate personnel/pay data for leadership decision-making. AFIPPS modernizes the existing Military Personnel Data System (MilPDS) and adds pay and leave capability. In Jan 2021, the DAF leveraged a MilPDS self-service capability deployment to verify the baseline system had the infrastructure for the new pay and leave capability in place. The self-service capability allowed DAF Airmen and Guardians to initiate self-registration, validate member data and verify operational performance. AFIPPS revised the original deployment strategy from a single Go-Live deployment in January 2025 to a HR Deployment in second quarter fiscal year 2025 that will subsume MilPDS, a Limited Deployment to a low-risk population with no prior service in the fourth quarter fiscal year 2025 to continue HR activities with the inclusion of payroll capabilities with an additional Limited Deployment prior to Full Deployment (FD), and a FD to all DAF military personnel in second quarter fiscal year 2027 for continued HR activities with payroll capabilities.</p>												
<p>This requirement supports performance of a full financial audit as required by title 10 U.S.C Chapter 9A, Sec 240-D.</p>												
<p>Reduces civilian personnel full-time equivalents and funding in the amount of 0.196M to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)				
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 elements 0605829F, 0605831F, 0605833F, 0605898F. In FY 2024 0.000M was expended for civilian pay expenses in this program element, and in FY 2025 0.388M is forecasted for civilian pay expenses in this program element.						
The FY 2026 request for AFIPPS includes 64,050 thousand of discretionary and 0 thousand of mandatory (reconciliation) for a total of 64,050 thousand.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		40.203	49.739	19.899	0.000	19.899
Current President's Budget		63.451	49.739	64.050	0.000	64.050
Total Adjustments		23.248	0.000	44.151	0.000	44.151
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		24.325	0.000			
• SBIR/STTR Transfer		-1.077	0.000			
• Other Adjustments		0.000	0.000	44.151	0.000	44.151
Change Summary Explanation						
The FY 2026 funding request is needed to support extension of the program deployment schedule for insertion of risk-reduction, smaller-target-population Limited Deployments prior to a full deployment to all DAF military members; development, test and integration of partner-requested interface redesigns and new statutory/regulatory-directed requirements; expanded contractor Payroll Reconciliation Testing to ensure accuracy of AFIPPS data and pay calculations; as well as added integration testing with US Treasury to support each limited deployment.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: AFIPPS - System Integrator Development & Contractor Test				61.583	42.534	61.121
Description: Acquire and develop the activities that support the acquisition of a personnel/pay capability for DAF personnel across all components (i.e., Active Duty Air and Space Forces, ANG, and USAFR). Development initiatives can be divided into two objectives: Transactional System development and Reporting System development. The Transactional System references the AFIPPS capability to calculate and transact service member pay. The Reporting System enables service members and functional system users to pull reports and conduct analysis activities. The majority of Transactional System and Reporting						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605018F I <i>AF Integrated Personnel and Pay System (AF-IPPS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) System development activities are complete and undergoing government Operational Test & Evaluation (OT&E). These activities primarily drive the AFIPPS critical path. Throughout OT&E, the system integrator will implement and integrate new statutory and regulatory requirements, interface redesigns, defect resolutions identified by users, and to continue to improve payroll accuracy. FY 2025 Plans: <ul style="list-style-type: none"> - Continue to conduct Payroll Reconciliation Testing (PRT) to validate AFIPPS correctly calculates payroll and improve payroll accuracy. - Develop, test and integrate defect resolutions identified in the government Qualification Test and Evaluation (QT&E) and US Treasury testing. - Develop, test and integrate statutory- and regulatory-directed pay requirements. - Develop, test and integrate interface partner data exchange redesigns to support a Limited Deployment and Department Air Force (DAF) Full Deployment. - Conduct personnel and pay data cleansing efforts to include root-cause analysis, data conversion defect resolutions, data validation, and business process changes. - Continue cybersecurity vulnerability scans on code and update code as required. - Conduct change management activities in support of the Limited Deployment releases. - Conduct and complete contractor-led payroll operating location training. - Conduct training for base-level trainers in support of operational testing and Limited Deployment releases. - Update contract and acquisition documentation to support the Limited Deployment Authority to Proceed (ATP) decision approvals. - Develop, test and integrate defect resolutions identified by users in Operational Assessment and Operational Utility Evaluation Operational Test & Evaluation events supporting Limited Deployment releases. - Conduct pre-deployment updates of data conversions and system configurations to the production environment prior to the Limited Deployment release to a low-risk population with no prior service. - Execute a Limited Deployment of payroll to a low-risk population with no prior service. - Continue AF information technology efforts and studies (e.g., Common Services/Computing Environment, FIAR/FISCAM audit support, Platform as a Service (PaaS)/Software as a Service (SaaS) architectures, etc.) to ensure AFIPPS is fully integrated into AF & DoD enterprise networks, databases, and information systems. - Continue to maintain the required AFIPPS computing environments (e.g., development, test and production) with DISA. FY 2026 Plans: <ul style="list-style-type: none"> - Will continue to conduct personnel and pay data cleansing efforts to include root-cause analysis, data conversion defect resolutions, data validation, and business process changes. - Will continue to develop, test and integrate statutory- and regulatory-directed pay requirements. 		FY 2024	FY 2025	FY 2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605018F <i>I AF Integrated Personnel and Pay System (AF-IPPS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none"> - Will continue develop, test and integrate defect resolutions identified in US Treasury testing. - Will update contract and acquisition documentation to support the Limited and Full Deployment Authority to Proceed (ATP) decision approvals. - Will continue to develop, test and integrate defect resolutions identified by users in Operational Test & Evaluation events supporting Limited Deployment releases. - Will continue to conduct change management activities in support of the Limited Deployment and DAF Full Deployment releases. - Will continue and complete training for base-level trainers in support of the Limited and Full Deployment releases. - Will conduct pre-deployment updates of data conversions and system configurations to the production environment prior to the Limited Deployment releases. - Will continue to execute Limited Deployments of payroll to additional target populations. - Will develop, test and integrate defect resolutions identified by users in the Initial Operational Test and Evaluation (IOT&E). - Will continue cybersecurity vulnerability scans on code and update code as required. - Will continue AF information technology efforts and studies (e.g., Common Services/Computing Environment, FIAR/FISCAM audit support, Platform as a Service (PaaS)/Software as a Service (SaaS) architectures, etc.) to ensure AFIPPS is fully integrated into AF & DoD enterprise networks, databases, and information systems. - Will develop a strategic engineering design and implementation plan for the migration of program development and test environments hosted in the DISA DECC to a DoD- and DAF-approved PaaS cloud. - Will continue to maintain the required AFIPPS computing environments (e.g., development, test and production) with DISA. <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to initiation of cloud migration activities to move development and test environments from the DISA Defense Enterprise Computing Center (DECC) to a DAF-approved Platform as a Service (PaaS). Additionally, funding increased due to system deployment activities to include: increased pre- and post-engineering support, integration and deployment activities associated with an additional risk reduction limited deployment; development and integration of pay and human resources statutory and regulatory requirements and resolutions for defects found in operational test events; and training to support limited and full deployments.</p>				
<p>Title: AFIPPS - Government-Test and Evaluation</p> <p>Description: The AFIPPS Test and Evaluation Strategy encompasses Developmental Test & Evaluation (DT&E), Operational Test and Evaluation (OT&E), and a Cybersecurity Evaluation (CSE). DT&E comprises two test series: Component Verification and Integration (CV&I) and Qualification Test and Evaluation (QT&E).</p> <p>The DAF restructured deployment strategy and schedule as well as the OT&E Strategy based on the need to reduce system performance risks, which includes pay errors for military members. The DAF will conduct and Operational Assessment (OA) and</p>		1.868	7.205	2.929

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605018F I <i>AF Integrated Personnel and Pay System (AF-IPPS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) Operational Utility Evaluation (OUE) testing ahead of all Limited Deployments starting in 4Q FY 2025. Initial Operational Test and Evaluation (IOT&E) will take place in support of a Full Deployment to all Department of the Air Force military personnel in 2Q FY 2027. This thrust includes all OT&E activities. The CSE activities accomplished within this thrust are performed primarily by Government Stakeholders. FY 2025 Plans: <ul style="list-style-type: none"> - Complete System Operability Evaluation testing. - Conduct Performance Evaluation Testing. - Conduct end-to-end Treasury interface tests in support of Limited Deployment releases. - Conduct Parallel Pay testing on an operationally representative test system to compare semi-monthly and monthly test payroll results with actuals. - Conduct and complete government testing of new and redesigned capabilities and interfaces. - Conduct and complete a Mission Risk Assessment Process for Cyber (MRAP-C), in which an integrated team composed of the Program Management Office and development, operational and cybersecurity test agency experts identify potential cyber risks. - Conduct analysis of Payroll Reconciliation Test results to validate AFIPPS correctly calculates payroll. - Complete support for User Evaluation Test (UET) and analyze results to validate system readiness for Operational Assessment. - Provide support for the Joint Interoperability Test Command (JTIC) led interoperability certification assessment tests. - Support execution of an AFOTEC-led Operational Assessment (OT&E) in support of the Limited Deployment Authority To Proceed (ATP) decision for a low-risk population with no prior service. - Conduct user business process testing to ensure new pay and leave functionality for each deployment integrates with existing system functions in support of an Operational Utility Evaluation. - Support execution of a Cooperative Vulnerability and Penetration Assessments (CVPA) in support of the Limited Deployments, in which a team of cybersecurity specialists conduct an overt and cooperative examination of the system to identify all significant cyber vulnerabilities and the level of capability required to exploit those vulnerabilities. - Conduct a Mission-Oriented Test Readiness Certification (MOTRC) review (formerly called Operational Test Readiness Review) in preparation for transition to an Operational Utility Evaluation (OT&E). - Conduct user business process testing to ensure pay and leave functionality for each deployment integrates with existing personnel system functions in support of an Operational Utility Evaluation. - Support execution of an AFOTEC-led Operational Utility Evaluation in support of a Limited Deployment ATP decision. FY 2026 Plans: <ul style="list-style-type: none"> - Will conduct and complete Performance Evaluation Testing. 		FY 2024	FY 2025	FY 2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none"> - Will continue to conduct Parallel Pay testing on an operationally representative test system to compare semi-monthly test payroll results with actuals. - Will continue to conduct end-to-end Treasury interface tests in support of Limited Deployment and Full Deployment releases. - Will continue to support execution of AFOTEC-led Operational Test and Evaluation events to support Limited Deployment Authority To Proceed (ATP) decisions. - Will continue to conduct user business process testing to ensure pay and leave functionality for each deployment integrates with existing system functions in support of an Operational Utility Evaluation and Initial Operational Test and Evaluation. - Will complete support for the execution of an Adversarial Assessment (AA), in which a team of cybersecurity specialists evaluate the ability to protect the system/data, detect threat activity, react to threat activity, and restore mission capability degraded or lost due to threat activity and assess the effect on the system's missions through direct measurement or by a well-defined methodology using expert input. - Will conduct a Mission-Oriented Test Readiness Certification (MOTRC) review (formerly called Operational Test Readiness Review) in preparation for transition to Initial Operational Test and Evaluation (IOT&E). - Will support execution of an AFOTEC-led Initial Operational Test and Evaluation (IOT&E) to support a Full Deployment ATP decision. - Will conduct regression testing on development and test environments migrated to a DAF-approved Platform as a Service (PaaS) cloud. 				
FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 funding decreased due to completion of program office-led Qualification Test and Evaluation and transitioning into AFOTEC-led Operational Test and Evaluation (OT&E) events supporting deployments to target populations.				
Accomplishments/Planned Programs Subtotals		63.451	49.739	64.050
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy AFIPPS is being acquired as a Defense Business System that utilizes the Business Capability Acquisition Cycle. The program is in Phase 4 - Acquisition, Testing, and Deployment and is working towards its first Limited Deployment ATP for a Limited Deployment in 4Q FY 2025. The acquisition strategy employs a single System Integrator and agile methodologies to develop, test and deploy pay and leave capabilities via an Oracle ERP E-Business Suite (EBS). The program will first subsume the current DAF human resources Oracle EBS, Military Personnel Data System (MilPDS), to enable an integrated				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)	
<p>pay and leave capability in a single program. The primary system integrator contract includes pay system development, test, and deployment. The development activities are fully coordinated and integrated with the on-going operation and sustainment of MilPDS.</p> <p>First, the program leveraged a MilPDS self-service capability deployment to ensure infrastructure for pay and leave capability is in place. The self-service capability deployed in Jan 2021, allowing the AF community to initiate self-registration, validate member data, and verify operational performance.</p> <p>Next, pay/leave capability was organized into stories then incorporated into work packages to be developed in three-week sprints. Each work package was developed and tested by the integrated user/developer team on multiple pre-production environments.</p> <p>After completing initial development, the DAF began to execute an extensive Test and Evaluation Strategy encompassing Development Test & Evaluation (DT&E), Cybersecurity Evaluation (CSE), and which will conclude with Operational Test & Evaluation (OT&E).</p> <p>Due to system performance risks associated with a single-release pay and leave to all Department of the Air Force (DAF) military members, the DAF restructured the program to execute Limited Deployments in FY 2025 and FY 2026 and to perform a Full Deployment to all remaining DAF military members in 2Q FY 2027. Prior to each deployment, the DAF will conduct OT&E. The OT&E strategy still implements a two-phased approach. Phase 1 comprises Operational Assessment and Operation Utility Evaluation testing to determine operational effectiveness and suitability prior to the Limited Deployment Authority to Proceed (ATP) decisions. AFIPPS pay/leave capability will then be delivered starting in 4QFY25 in releases to limited deployment populations. Phase 2 will comprise an IOT&E event to further validate system efficacy and readiness to support pay/leave for all remaining DAF members. Upon completion of IOT&E and a successful Full Deployment ATP decision, the AFIPPS pay/leave capability will be released to all Airmen and Guardians.</p> <p>After successfully completing all test initiatives and a year-long sustainment with AFOTEC-led post deployment analysis, the DAF will transition AFIPPS to the Capability Support Phase.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)				Project (Number/Name) 676003 / HRM Structural Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Prime Software Developmental Efforts	C/CPIF	ACCENTURE FEDERAL SVCS : Arlington, VA	0.000	41.716	Oct 2023	12.904	Oct 2024	29.510	Oct 2025	-		29.510	-	-	185.000
AFIPPS Application Hosting Environment	MIPR	DISA EIS : Pensacola, FL	0.000	6.833	Oct 2023	7.324	Oct 2024	7.320	Oct 2025	-		7.320	-	-	-
AFIPPS Enterprise Systems Integration/ Deployment	Various	Various : Various	0.000	0.000	Apr 2024	1.037	Apr 2025	1.050	Apr 2026	-		1.050	-	-	-
AFIPPS Cloud Migration	TBD	TBD : TBD	0.000	0.000		0.000		5.364	Oct 2025	-		5.364	-	-	-
AFIPPS COTS Licenses	Various	Various : Various	0.000	0.611	Apr 2024	1.185	Apr 2025	0.710	Apr 2026	-		0.710	-	-	-
AFIPPS Financial Improvement and Audit Readiness (FIAR)	C/FP	Squared Technology Group : Pike Road, AL	0.000	0.744	Aug 2024	1.572	Aug 2025	1.355	Aug 2026	-		1.355	-	-	5.200
AFIPPS Direct Mission Support - HR & Pay Integration/Development	C/CPFF	AST, LLC : Wichita Falls, TX	0.000	5.608	Oct 2023	0.000	Oct 2024	1.420	Oct 2025	-		1.420	-	-	25.000
AFIPPS Direct Mission Support - Engineering & Cybersecurity	C/CPFF	Torch Tech,Inc : Huntsville, AL	0.000	2.711	Oct 2023	2.379	Oct 2024	3.400	Oct 2025	-		3.400	-	-	33.500
Subtotal			0.000	58.223		26.401		50.129		-		50.129	-	-	N/A
Remarks															
Target value of Prime Software Development contract increased to reflect 2Q FY 2027 Full Deployment and engineering support for remainder of FY 2027.															
The target value of the FIAR contract increased to reflect target values through the 2Q FY 2027 Full Deployment.															
The program is providing the following government furnished property to the system integrator: Application Hosting Environment, Oracle Commercial-Off-The-Shelf (COTS) licenses and the Military Personnel Data System (MilPDS) software baseline.															
The total target value of the of the AST LLC contract includes efforts for both Product Development and Test and Evaluation.															
The total target value of the Torch Tech Inc. contract increased \$8.5M to fund support through FY 2027. The total target value of the of the Torch Tech Inc. contract includes efforts for both Product Development and Management Service.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)						Project (Number/Name) 676003 / HRM Structural Development			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Authorization Civilian Pay	TBD	Not specified. : TBD	0.000	-		0.388	Oct 2024	-		-		-	-	-	-
Subtotal			0.000	-		0.388		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Developmental Test & Evaluation (DT&E)	Various	Various : Various	0.000	0.466	Oct 2023	0.424	Oct 2024	0.711	Oct 2025	-		0.711	-	-	-
AFIPPS Developmental Test & Evaluation II (DT&E)	C/CPAF	AST, LLD : Wichita Falls, TX	0.000	1.402	Oct 2023	1.128	Oct 2024	0.416	Oct 2025	-		0.416	-	-	-
AFIPPS Operational Test & Evaluation (OT&E)	PO	96th TSG : Eglin AFB, FL	0.000	0.000	Oct 2023	0.645	Oct 2024	0.138	Oct 2025	-		0.138	-	-	-
AFIPPS Operational Test & Evaluation II (OT&E)	C/CPFF	AST, LLC : Wichita Falls, TX	0.000	0.000	Oct 2023	5.008	Oct 2024	1.664	Oct 2025	-		1.664	-	-	25.000
Subtotal			0.000	1.868		7.205		2.929		-		2.929	-	-	N/A
Remarks															
The total target value of the of the AST LLC contract includes efforts for both Product Development and Test and Evaluation.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Professional, Program Management and Administrative Support Services	C/CPFF	Torch Tech,Inc : Huntsville, AL	0.000	1.908	Oct 2023	7.253	Oct 2024	3.175	Oct 2025	-		3.175	-	-	33.500
AFIPPS Other Program Support Cost	Various	Various : Various	0.000	1.452	Nov 2023	8.492	Nov 2024	7.817	Nov 2025	-		7.817	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)					Project (Number/Name) 676003 / HRM Structural Development				
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	3.360		15.745		10.992		-		10.992	-	-	N/A
Remarks															
The total target value of the Torch Tech Inc. contract increased \$8.5M to fund support through FY 2027. The total target value of the of the Torch Tech Inc. contract includes efforts for both Product Development and Management Service.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	63.451		49.739		64.050		-		64.050	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)					676003 / HRM Structural Development			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Personnel and Pay System																												
Additional Development Activities (Transactional/Reporting)																												
System Integrator Developmental Test (CV&I)																												
Government Integrated Test and Evaluation Activities (DT&E, OT&E)																												
Cybersecurity Evaluation (CSE)																												
Limited Deployment Authority to Proceed																												
Limited Deployments																												
DevSecOps Transition Support for Sustainment and Cloud Migration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)	Project (Number/Name) 676003 / HRM Structural Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Integrated Personnel and Pay System				
Additional Development Activities (Transactional/Reporting)	1	2024	2	2026
System Integrator Developmental Test (CV&I)	1	2024	4	2024
Government Integrated Test and Evaluation Activities (DT&E, OT&E)	1	2024	3	2027
Cybersecurity Evaluation (CSE)	1	2024	3	2026
Limited Deployment Authority to Proceed	3	2025	3	2025
Limited Deployments	4	2025	3	2026
DevSecOps Transition Support for Sustainment and Cloud Migration	1	2026	4	2027

Note
Component Verification and Integration (CV&I)
Developmental Test & Evaluation (DT&E)
Operational Test & Evaluation (OT&E)
Development, Security and Operations (DevSecOps)

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force											Date: June 2025	
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 0605024F / <i>Anti-Tamper Technology Executive Agency</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	49.311	65.792	62.965	0.000	62.965	-	-	-	-	-	-
675066: <i>Anti-Tamper Technology Executive Agent</i>	0.000	49.311	65.792	62.965	0.000	62.965	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): N42												
A. Mission Description and Budget Item Justification <p>The Anti-Tamper (AT) Technology Executive Agency budget funds activities related to the DoD Executive Agent for AT (ATEA) responsibilities required by DoD Directive 5200.47E, "Anti-Tamper (AT)." These responsibilities are unique to the DoD ATEA and the Air Force Component Office of Primary Responsibility (OPR) for AT. The DoD ATEA is responsible for developing and enforcing AT policy and guidance, assessing AT technologies (hardware and software), maintaining and developing new AT technology products and assessment capabilities, maintaining and maturing AT laboratory equipment and infrastructure, establishing and maintaining a library of AT technologies, providing security guidance and support mechanisms, providing outreach and education to the DoD AT community, providing intelligence support, and evaluating AT implementations across all DoD acquisition programs, foreign military sales (FMS), and direct commercial sales (DCS). The AF OPR for AT evaluates AT on applicable AF acquisition programs, FMS, and DCS as well as manages AF AT technology development.</p> <p>AT directly enables CPI resilience. AT protects critical program information (CPI), in U.S. weapon systems that are no longer under U.S. control (e.g., lost/left on the battlefield or sold to a foreign government) from hands-on, reverse engineering (RE) attacks. AT protections enable the U.S. to preserve its technological advantage and the combat capabilities of critical weapons systems while supporting the warfighters' mission requirements. Furthermore, AT adds longevity to DoD weapon systems by deterring or delaying RE attacks, and thus reducing an adversaries' ability to obtain the CPI and/or develop weapon countermeasures against the system. All DoD acquisition programs, FMS, and DCS with CPI require a validated AT Plan.</p> <p>The AT program includes resources required for subject matter experts (SMEs) to evaluate AT Plans and conduct AT validation on all DoD Weapon Systems. Additionally, the AT program provides resources for SMEs to perform AT assessments of both commercial off the shelf (COTS), contractor funded government only use (CFGO) and government off the shelf (GOTS) products. As the COTS, CFGO and GOTS technologies advance, the AT program includes the resources required to mature AT hardware/software assessment capabilities. These capabilities include the acquisition of specialized equipment, maintenance and/or renovations to support the integration of this equipment, and modifications to new and/or existing laboratory facilities to meet equipment and security requirements.</p> <p>The DoD ATEA coordinates technology development among the DoD Services/Agencies, National Laboratories, and Industry. These technology development efforts fund development of new AT technology, as well as enhance existing AT technology efforts to increase the technology readiness level (TRL) and facilitate transition for programs to implement. The AT technology development and enhancement efforts include: advanced AT sensor hardware, secure processing, crypto-analysis, tamper penalties, modifying and developing technology to address vulnerability and susceptibility of fielded parts, and other AT enablers.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development			R-1 Program Element (Number/Name) PE 0605024F I Anti-Tamper Technology Executive Agency			
The Air Force AT OPR conducts AT technology and product development to meet Air Force service needs to mature promising AT technologies to transition to Air Force weapons systems. Technology and product development priorities are given to those technologies/products that most benefit AF acquisition programs while aligning to the overall DoD ATEA technology and product development strategy. These activities are coordinated through the ATEA as a part of the ATEA technology and product development roadmap and to coordinate with Navy and Army AT technology development 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 0605829F, 0605831F, 0605833F, 0605898F. In FY24 \$2.906M was expended for civilian pay expenses in this program element, and in FY25 \$4.544M 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. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		49.613	65.792	66.187	0.000	66.187
Current President's Budget		49.311	65.792	62.965	0.000	62.965
Total Adjustments		-0.302	0.000	-3.222	0.000	-3.222
• 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		-0.302	0.000			
• Other Adjustments		0.000	0.000	-3.222	0.000	-3.222
Change Summary Explanation						
The FY25 to FY26 increase is due to normal inflation						
The FY 2025 President's Budget submittal was increased, over FY24's submission, by \$11.466M due to approved POM request for increased requirements in Evaluations, Assessments, and AT Technology Enablers.						
The FY 2024 President's Budget number was reduced by \$0.302M for SBIR transfer.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: DoD Anti-Tamper Technology Executive Agent (DoD ATEA)				38.867	49.190	47.674

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605024F / <i>Anti-Tamper Technology Executive Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: AT technology and product development/coordination, roadmaps, MBSE, and evaluations, hardware/software vulnerability assessments, capability development, laboratory equipment and infrastructure improvements; outreach and education to the AT Community, AT implementation validation and evaluation, as well as AT policy development. FY 2025 Plans: - Continue to validate and evaluate AT implementations on all DoD Acquisition programs; initiate product development activities to include (but not limited to): studies, requirements generation, MBSE, technology roadmaps, integration support, early contract initiation for product development, and support OSD Weapon System AT requirements; conduct vulnerability assessments, develop advanced assessment capabilities, improve laboratory equipment and infrastructure, and provide intelligence support. Develop AT policy and continue to train the acquisition workforce on AT policy and technology. FY 2026 Plans: Continue to validate and evaluate AT implementations on all DoD Acquisition programs; initiate product development activities to include but not limited to studies, requirements generation, contract awards, MBSE, technology roadmaps, integration support, and support OSD Weapon System AT requirements; conduct vulnerability assessments, develop advanced assessment capabilities, improve laboratory equipment and infrastructure, and provide intelligence support. Develop AT policy and continue to train the acquisition workforce on AT policy and technology. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to normal inflation.				
Title: DoD ATEA Program Management Support Description: Includes civilian pay, A&AS, outreach and education, travel, supplies, and ATEA Field Program Office support. FY 2025 Plans: Support program office efforts, including civilian pay, A&AS, intelligence support, outreach and education, travel, and supplies. FY 2026 Plans: Continuing support for program office efforts, including civilian pay, A&AS, intelligence support, outreach and education, travel, and supplies. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to normal inflation.		4.151	10.209	10.295
Title: Air Force Anti-Tamper Technology and Product Development		6.293	6.393	4.996

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0605024F / <i>Anti-Tamper Technology Executive Agency</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Conduct Anti-Tamper technology and product development to meet Air Force (AF) service needs to mature promising AT technologies to transition to AF weapon systems. Fund and manage new technology development efforts, to include studies and requirements generation, all targeted to protect AF CPI. These new AT technology requirements will be obtained from AF programs and these new AT technologies will then transition to Air Force and DoD programs.</p> <p>The AT technology and product development and enhancement efforts include (but not limited to): advanced AT sensor hardware, secure processing, crypto-analysis, tamper penalties, and other AT enablers.</p> <p>FY 2025 Plans: Conducts Anti-Tamper technology development to meet Air Force service needs to mature promising AT technologies to transition to Air Force weapons systems.</p> <p>FY 2026 Plans: Conducts Anti-Tamper technology development to meet Air Force service needs to mature promising AT technologies to transition to Air Force weapons systems.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to normal inflation.</p>				
Accomplishments/Planned Programs Subtotals		49.311	65.792	62.965
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy The DoD ATEA acquisition strategy is to coordinate DoD AT technology and product developments, including associated studies and requirements generation activities across the Services which fund development and assessments of new AT technology, as well as enhance existing AT technology efforts by increasing TRL. The output of the studies and requirements generation will also poise the ATEA for ATEA-funded product and technology development. The ATEA will coordinate the Technology and Product Development Roadmap with major Prime vendors. Evaluating their technology is of major importance. The ATEA will also coordinate with the Service AT personnel to foster communication and understand what programs Services are developing for their AT implementation. Emerging research areas such as materials, cryptography and electronic circuits have the potential to bring new AT capabilities with increased processing power, reduced power draw, and smaller form factor. The goal of the research and ultimate technology and product development is to mature promising technologies to the point they can be transitioned to a program office or industry for integration and implementation in DoD weapon systems. Priorities will be given to those technologies that most benefit the DoD AT community.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0605024F / Anti-Tamper Technology Executive Agency
The Air Force AT Office will fund and manage new technology and product efforts to protect Air Force and DoD CPI. These new AT technology requirements will be obtained from AF and DoD programs and these new AT technologies will then transition to Air Force and DoD programs.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605024F / <i>Anti-Tamper Technology Executive Agency</i>						Project (Number/Name) 675066 / <i>Anti-Tamper Technology Executive Agent</i>			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 AT Technology and Product Development	Various	Not specified. : Various	-	6.293	Oct 2023	6.393	Oct 2024	4.996	Oct 2025	-		4.996	-	-	-
Subtotal			-	6.293		6.393		4.996		-		4.996	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DoD Anti-Tamper Technology Executive Agent (DoD ATEA)	Various	Not specified. : Various	-	38.867	Oct 2023	49.190	Oct 2024	47.674	Oct 2025	-		47.674	-	-	-
Subtotal			-	38.867		49.190		47.674		-		47.674	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DoD ATEA Program Management Support	Various	Not specified. : Various	-	4.151	Oct 2023	10.209	Oct 2024	10.295	Oct 2025	-		10.295	-	-	-
Subtotal			-	4.151		10.209		10.295		-		10.295	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	49.311		65.792		62.965		-		62.965	-	-	N/A
Remarks Additional funding breakout and award dates are classified per the Anti-Tamper Security Classification Guide. Please contact the ATEA if additional information is required.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025									
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605024F / Anti-Tamper Technology Executive Agency					Project (Number/Name) 675066 / Anti-Tamper Technology Executive Agent									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
ATEA																												
DoD ATEA Field Program Office Support																												
DoD ATEA Activities																												
Air Force AT Tech Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605024F / Anti-Tamper Technology Executive Agency	Project (Number/Name) 675066 / Anti-Tamper Technology Executive Agent	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ATEA				
DoD ATEA Field Program Office Support	1	2024	4	2030
DoD ATEA Activities	1	2024	4	2030
Air Force AT Tech Development	1	2024	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0605117F <i>I Foreign Materiel Acquisition and Exploitation</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	166.851	94.188	0.000	0.000	0.000	-	-	-	-	-	-
675897: <i>Foreign Materiel Acquisition and Exploitation</i>	0.000	166.851	94.188	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This is a MIP Program. Funding for the activity in this PE from FY26 and beyond has been transferred to an alternate PE. The FMA&E activity will resume in that PE.

The Foreign Materiel Acquisition and Exploitation (FMA&E) program element supports the military services' and defense agencies' Foreign Material Program activities.

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 \$0.889M was expended for civilian pay expenses in this program element, and in CY \$1.416M 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.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>
Previous President's Budget	93.881	94.188	96.174	0.000	96.174
Current President's Budget	166.851	94.188	0.000	0.000	0.000
Total Adjustments	72.970	0.000	-96.174	0.000	-96.174
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	60.179	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	12.791	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-96.174	0.000	-96.174

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025	
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 0605117F <i>I Foreign Materiel Acquisition and Exploitation</i>		
<p><u>Change Summary Explanation</u> See classified document for additional details. Also, reduction due implementing the President's Department of Government Efficiency Cost Efficiency Initiative for contract services.</p> <p>Funding for the activity in this PE from FY26 and beyond has been transferred to an alternate PE. The FMA&E activity will resume in that PE.</p>			
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<i>Title:</i> Foreign Materiel Acquisition and Exploitation <i>Description:</i> Classified details can be found in OSD Comptroller's classified Defense Wide Justification Book Volume 6. <i>FY 2025 Plans:</i> Classified <i>FY 2026 Plans:</i> Classified <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> FY25 to FY26 decrease due to FMA&E program being transferred to alternate PE.	166.851	94.188	0.000
Accomplishments/Planned Programs Subtotals	166.851	94.188	0.000
<u>D. Other Program Funding Summary (\$ in Millions)</u> N/A <u>Remarks</u> Funding for this activity is moving to an alternate PE in FY26 and beyond.			
<u>E. Acquisition Strategy</u> Classified details can be found in OSD Comptroller's classified Defense-Wide Justification Book Volume 6.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force													Date: June 2025		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605117F / <i>Foreign Materiel Acquisition and Exploitation</i>				Project (Number/Name) 675897 / <i>Foreign Materiel Acquisition and Exploitation</i>					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 details can be found in OSD Comptroller's classified Defense-Wide Justification Book Volume 6.	Various	Various : TBD	-	165.962	Dec 2023	92.772	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
Subtotal			-	165.962		92.772		0.000		-		0.000	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SAF/CDM Salary and Travel	Allot	SAF/CDMA : Fairfax, VA	-	0.889	Oct 2023	1.416	Oct 2024	-		-		-	-	-	-
Subtotal			-	0.889		1.416		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	166.851		94.188		0.000		-		0.000	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605117F / <i>Foreign Materiel Acquisition and Exploitation</i>			Project (Number/Name) 675897 / <i>Foreign Materiel Acquisition and Exploitation</i>

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Foreign Materiel Acquisition & Exploitation																												
FY24 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY24 execution reprioritized																												
Additional exploitation opportunities reviewed quarterly; FY24 execution reprioritized																												
FY25 requirements and funding requests submitted by Services/Agencies																												
FY25 requirements and funding requests validated and prioritized																												
FY25 FMP Plan approved and published																												
FY25 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY25 execution reprioritized																												
Additional exploitation opportunities reviewed quarterly; FY25 execution reprioritized																												
FY26 requirements and funding requests submitted by Services/Agencies																												
FY26 requirements and funding requests validated and prioritized																												
FY26 FMP Plan approved and published																												
FY26 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY26 execution reprioritized																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605117F / <i>Foreign Materiel Acquisition and Exploitation</i>	Project (Number/Name) 675897 / <i>Foreign Materiel Acquisition and Exploitation</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Foreign Material Acquisition & Exploitation</i>				
FY24 FMP Plan executed and updated as required	1	2024	1	2025
Additional acquisition opportunities reviewed quarterly; FY24 execution reprioritized	1	2024	1	2025
Additional exploitation opportunities reviewed quarterly; FY24 execution reprioritized	1	2024	1	2025
FY25 requirements and funding requests submitted by Services/Agencies	3	2024	4	2024
FY25 requirements and funding requests validated and prioritized	4	2024	4	2024
FY25 FMP Plan approved and published	4	2024	4	2024
FY25 FMP Plan executed and updated as required	1	2025	4	2025
Additional acquisition opportunities reviewed quarterly; FY25 execution reprioritized	1	2025	4	2025
Additional exploitation opportunities reviewed quarterly; FY25 execution reprioritized	1	2025	4	2025
FY26 requirements and funding requests submitted by Services/Agencies	3	2025	4	2025
FY26 requirements and funding requests validated and prioritized	4	2025	4	2025
FY26 FMP Plan approved and published	4	2025	4	2025
FY26 FMP Plan executed and updated as required	1	2026	4	2026
Additional acquisition opportunities reviewed quarterly; FY26 execution reprioritized	1	2026	4	2026
Additional exploitation opportunities reviewed quarterly; FY26 execution reprioritized	1	2026	4	2026
FY27 requirements and funding requests validated submitted by Services/Agencies	3	2026	4	2026
FY27 requirements and funding requests validated and prioritized	4	2026	4	2026
FY27 FMP Plan approved and published	4	2026	4	2026

Note

The schedule on the previous page, representing the Foreign Material Program acquisition and exploitation processes, repeats for each fiscal year. Out of cycle Ad-Hoc foreign material acquisition and exploitation reviews are held when required throughout each fiscal year.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0605229F / HH-60W							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	39.629	43.579	0.000	43.579	-	-	-	-	-	-
670001: <i>HH-60W Modernization Development</i>	0.000	0.000	39.629	0.000	0.000	0.000	-	-	-	-	-	-
674364: <i>HH-60W Modernization Development</i>	0.000	0.000	0.000	43.579	0.000	43.579	-	-	-	-	-	-

Note

In FY 2025, PE 0605229F, HH-60W, Project 654364, Combat Rescue Helicopter, Budget Activity 5, System Development & Demonstration (SDD) efforts transferred to PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational Systems Development to transition the HH-60W program from production to post-production capability upgrades and sustainment.

In FY 2026, PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational System Development efforts transferred to PE 0605229F, HH-60W, Project 674364, HH-60W Modernization Development, Budget Activity 7, Operational System Development to ensure proper execution and transparency. Project 670001 is assigned to Air Force Tactical Exploitation of National Capabilities (AF TENCAP) efforts.

A. Mission Description and Budget Item Justification

The HH-60W Jolly Green is the US Air Force's Combat Rescue Helicopter (CRH). In FY 2023, a new operational USAF CRH successfully completed a rescue operation in the Africa Command (AFRICOM) theater. CRH, now in Full Rate Production (FRP), provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. CRH modernization funding is crucial to ensure the CRH fleet can support the new theater and revitalize support for not only the crew but the rescues they save. RDT&E efforts include but are not limited to Mobile User Objective System (MUOS) with Joint Range Extension Application Protocol (JREAP), Degraded Visual Environment System (DVES), Global Positioning System Anti-Jam System (GPS-AJ), Link-16 and the Delivery Order 1 (DO1) Agile Software Program. CRH budget request supports three lines of effort to include but not limited to Follow-On, Software and Other Programs.

Follow-On Capability Upgrade Systems (FOCUS) includes the following capabilities: MUOS provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice, data and video communications and is the DoD directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, the CRH will be compatible with future satellite communication standards. MUOS adds JREAP capability for Link-16 over the horizon/BLOS, Common Interactive Broadcast (CIB), and future data formats.

JREAP is a joint protocol per Military Standard (MIL-STD) 3011E which allows for extension of J-series and Common Message Format messages through long back-haul means BLOS range, e.g., SATCOM, land lines, and is specifically used with MUOS.

GPS-AJ modifications will enable Combat Search and Rescue (CSAR) operations in contested environments and areas with high jamming risk, especially where no other means of navigation exist, greatly reducing risk and significantly increasing combat capability in multiple theaters.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
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 0605229F / HH-60W
<p>Software Upgrade Program (SUP) Delivery Order (DO) 1, Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. Currently, the CRH fleet does not have a reoccurring process to enable yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. DO 1 will not only give the warfighter the ability to rapidly fix these aging issues, but to also implement new software capability at the direction of the MAJCOM. SUP also includes and supports Training Systems, Government Test, Civilian Payroll, Mission Planning, and Other Agile updates. This Program shall be reoccurring to accomplish 5 years of agile support and software to the fleet. Air Combatant Command (ACC) designated this critical to accomplish any other mandates or specific requirements.</p> <p>Other Programs include Degraded Visual Environment System (DVES) which significantly reduces operational risk in all CRH regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVE material and technical solution to the DoD's #1 flight rotary wing flight risk, reduces operator workload, increases ability to operate in limited visibility conditions, and reduces mishaps saving lives and equipment. Link 16 and Infrared Countermeasures (IRCM) are Other Programs planned.</p> <p>This funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Program Support Costs (PSC) activities, Other Government Costs (OGC), various studies and analysis, upgrades, future HH-60W planning activities, and resolution of Diminishing Manufacturing Sources/Material Shortages (DMSMS) and/or obsolescence issues. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and engineering efforts for redesign.</p> <p>The CRH program budget request also supports innovation activities to include testing, integrated master plans, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Planned work includes program testing and development, effects testing, development of baseline integrated master plans and mission planning system analysis.</p> <p>This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p> <p>The FY 2026 request for HH-60W Jolly Green includes \$43,579 thousand of discretionary and \$15,129 thousand of mandatory (reconciliation) for a total of \$58,708 thousand. The mandatory funds modifying 26 HH-60W aircraft to meet the Air Force District of Washington (AFDW) mission requirements. Further information for this reconciliation request is provided in Section 20008 (Nuclear) of the Reconciliation Exhibit.</p> <p>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 FY 2024 \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 million is forecast for civilian pay expenses in this program element.</p> <p>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.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0605229F / HH-60W
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B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	52.314	33.278	0.000	33.278
Current President's Budget	0.000	39.629	43.579	0.000	43.579
Total Adjustments	0.000	-12.685	10.301	0.000	10.301
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-12.685			
• 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	10.301	0.000	10.301

Change Summary Explanation

FY 2025 funding request decrease of \$12.685 million due to Congressional Directed Reductions for MUOS Capability excess funds (\$2.275 million), Delivery Order 1 carryover (\$1.635 million), and Delivery Order 2 early to need (\$8.775 million).

FY 2026 funding request increase of \$10.301 million to support Software Upgrade Program software enhancements, deficiency corrections, and crypto modernization mandates.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 670001 / HH-60W Modernization Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
670001: HH-60W Modernization Development	0.000	0.000	39.629	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational Systems Development transferred to PE 0605229F, HH-60W, Project 674364, HH-60W Modernization Development, Budget Activity 7, Operational Systems Development to ensure proper execution and greater transparency.

A. Mission Description and Budget Item Justification

The HH-60W Jolly Green is the US Air Force's Combat Rescue Helicopter (CRH). In FY 2023, a new operational USAF CRH successfully completed a rescue operation in the Africa Command (AFRICOM) theater. CRH, now in Full Rate Production (FRP) provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. CRH modernization funding is crucial to ensure the CRH fleet can support the new theater and revitalize support for not only the crew but the rescues they save. RDT&E efforts include but are not limited to Mobile User Objective System (MUOS) with Joint Range Extension Application Protocol (JREAP), Degraded Visual Environment (DVES), Global Positioning System Anti-Jam System (GPS-AJ), Link-16 and the Delivery Order 1 (DO1) Agile Software Program. CRH budget request provides for lines of effort to include but not limited to Follow-On, Software and Other Programs.

Follow-On Capability Upgrade Systems (FOCUS) covers the following capabilities: MUOS provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice, data and video communications and is the DoD directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, The CRH will be compatible with future satellite communication standards. MUOS adds JREAP capability for Link-16 over the horizon/BLOS, Common Interactive Broadcast (CIB), and future data formats.

JREAP is a joint protocol per Military Standard (MIL-STD) 3011E, which allows for extension of J-series and Common Message Format messages through long back-haul means BLOS range, e.g. SATCOM, land lines, and specifically used with MUOS.

GPS-AJ modifications will enable Combat Search and Rescue (CSAR) operations in contested environments and areas with high jamming risk, especially where no other means of navigation exist, greatly reducing risk and significantly increasing combat capability in multiple theaters.

Software Upgrade Program (SUP) Delivery Order (DO) 1, Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. Currently, the CRH fleet does not have a reoccurring process to enable yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. DO 1 will not only give the warfighter the ability to rapidly fix these aging issues, but to also implement new software capability at the direction of the MAJCOM. SUP also includes and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning,

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development		
<p>Other Agile updates and Small Business Incentive Rate (SBIR) Tax. This Program shall be reoccurring to accomplish 5 years of agile support and software to the fleet. Air Combatant Command (ACC) designated this critical to accomplish any other mandates or specific requirements.</p> <p>Other Programs include Degraded Visual Environment System (DVES) which significantly reduces operational risk in all CRH regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVE material and technical solution to the DoD's #1 flight rotary wing flight risk, reduces operator workload, increases ability to operate in limited visibility conditions, and reduces mishaps saving lives and equipment. Link 16 and Infrared Countermeasures (IRCM) are Other Programs planned.</p> <p>This funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Program Support Costs (PSC) activities, Other Government Costs (OGC), various studies and analysis, upgrades, future HH-60W planning activities, and resolution of Diminishing Manufacturing Sources/Material Shortages (DMSMS) and/or obsolescence issues. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and engineering efforts for redesign.</p> <p>The CRH program budget request also supports innovation activities to include testing, integrated master plans, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Planned work includes program testing and development, effects testing, development of baseline integrated master plans and mission planning system analysis.</p> <p>This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p> <p>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 FY 2024 \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 million is forecast for civilian pay expenses in this program element.</p>				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Follow-On Capability Upgrade Systems (FOCUS)		0.000	5.138	0.000
Description: Follow-On Capability Upgrade Systems (FOCUS) covers the following: MUOS capability provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice, data and video communications and is the DoD directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). MUOS adds JREAP capability for Link-16 over the horizon/BLOS, Common Interactive Broadcast (CIB), and future data formats. JREAP is a joint protocol per Military Standard (MIL-STD) 3011E. GPS-AJ modifications will enable CSAR operations in contested environments and areas with high jamming risk, especially where no other means of navigation exists.				
FY 2025 Plans:				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Development and integration for MUOS-capable radios software in the COM-3/COM-4 positions. GPS-AJ initial work and equipment.			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to a transfer of efforts from Project 670001 to Project 674364, HH-60W Modernization Development.			
Title: Software Upgrade Program (SUP)		0.000	34.089
Description: Delivery Order (DO) 1 Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. Currently, the CRH fleet does not have a reoccurring process to enable yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. DO 1 will not only give the warfighter the ability to rapidly fix these aging issues, but to also implement new software capability at the direction of the MAJCOM.			0.000
FY 2025 Plans: Development and integration activities for DO1 to continue ARC 2 software. Costs for civilian pay, government test and Training System's project costs.			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to a transfer of efforts from Project 670001 to Project 674364, HH-60W Modernization Development.			
Title: HH-60W Degraded Visual Environment System (DVES)		0.000	0.402
Description: This project will research, test and integrate state of the art DVES aligned hardware onto the CRH. DVES upgrades and integration will reduce operational limitations, increase flight safety and lower equipment costs. DVE technology is critical in combat search and rescue missions by ensuring pilot situational awareness through real-time, multi-sensor fused imagery. DVES is a critical requirement to lower cost of life for the crew and rescues aboard the CRH. DVES integrates multiple sensors, including infrared, light detection and ranging (LIDAR), and millimeter wave radar, to provide real-time, high-resolution data and imagery of the terrain and obstacles. This helps pilots maintain situational awareness and avoid hazards during takeoff, flight, and landings.			0.000
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Research, develop and integrate the aligned hardware for the CRH requirement.			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to a transfer of efforts from Project 670001 to Project 674364, HH-60W Modernization Development.			
Accomplishments/Planned Programs Subtotals	0.000	39.629	0.000

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 05 0605229F: HH-60W	39.815	0.000	-	-	-	-	-	-	-	-	-
• APAF 04 H060WH:	597.408	355.185	107.500	-	107.500	-	-	-	-	-	-
<i>Combat Rescue Helicopter</i>											
• APAF 06 H060WH	0.000	1.859	2.329	-	2.329	-	-	-	-	-	-
BA06: CRH BA06											
• APAF 05 H060WM:	0.000	18.911	9.150	-	9.150	-	-	-	-	-	-
<i>HH60W Modifications</i>											

Remarks

D. Acquisition Strategy

The HH-60W Capability Upgrades program will deliver iterative incremental capability upgrades to the CRH technical baseline based on ACC approved requirements and funding, and collective ACC/Program office R&PC candidate packaging and delivery. Discrete capability releases will involve hardware and software development (which may include integration of pre-existing material solutions), development of product support packages to ensure field supportability, verification of system performance prior to Government acceptance via lab, SIL, and flight testing, fleet retrofit via production cut-ins (when possible) or mod lines to include maintenance of common configuration, and updates to associated training systems to include the WST, OFT, AVDTT, AST, associated spares and support elements/equipment, as well as Type 1 training and course-ware required to perform flight, aircrew, and maintenance training.

The first of the capability modifications are expected to initiate in FY 2024 via the current Capability Upgrades Indefinite Delivery, Indefinite Quantity (IDIQ) contract with EMD efforts expected to extend through FY 2028. Low-rate initial production and retrofit activities are baselined to occur via the Capability Upgrades IDIQ contract post EMD completion followed execution of separate competitive contracting efforts to address full rate production and fleet retrofit expected to begin in the FY 2025 timeframe. Contracting types will be a mix of Cost-Plus Fixed Fee (CPFF), Fixed Price Incentive Fee (FPIF), and Firm Fixed Price (FFP) based on the maturity of capabilities planned for integration and the complexity of said integration activities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 670001 / HH-60W Modernization Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRH MUOS Capability	MIPR	Army, DEVCOM A&MC PIF : Redstone Arsenal, AL	-	-		2.050	Jul 2025	-		-		-	-	-	-
CRH Global Positioning System Anti-Jam (GPS-AJ)	MIPR	Army, DEVCOM A&MC PIF : Redstone Arsenal, AL	-	-		3.088	Jul 2025	-		-		-	-	-	-
CRH Degraded Visual Environment System (DVES)	MIPR	Army, DEVCOM A&MC FCDD : Redstone Arsenal, AL	-	-		0.402	Jun 2025	-		-		-	-	-	-
CRH Delivery Order (DO) 1 Agile Software Program	C/FPIF	Stratford : CT	-	-		21.224	Mar 2025	-		-		-	-	-	-
CRH AFDW Development	C/FPIF	Not specified. : TBD	-	-		0.000	Apr 2026	-		-		-	-	-	-
Subtotal			-	-		26.764		-		-		-	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W product support related to aircraft development, integration, test articles, trainers and contractor test, including SBIR Tax.	Various	Various : TBD	-	-		2.821	Apr 2025	-		-		-	-	-	-
Direct Cite Civ Pay	RO	AFLCMC : WPAFB, OH	-	-		5.290	Sep 2025	-		-		-	-	-	-
Subtotal			-	-		8.111		-		-		-	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 670001 / HH-60W Modernization Development					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W planning and testing to support developmental and operational test, live fire test and other weapon system testing and support	PO	413th Detachment 1 TS : Nellis AFB, NV	-	-		4.754	Mar 2025	-		-		-	-	-	-
Subtotal			-	-		4.754		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		39.629		-		-		-	-	-	N/A
Remarks															
In FY 2026, PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational System Development efforts transferred to PE 0605229F, HH-60W, Project 674364, HH-60W Modernization Development, Budget Activity 7, Operational System Development to ensure proper execution and transparency.															
FINANCIAL PERFORMANCE: HH-60W is evaluated against traditional Research and Development (R&D) program expenditure benchmarks. Unlike many traditional R&D programs, however, the HH-60W Engineering and Manufacturing Development (EMD) Phase contract is a Fixed Price Incentive Fee (FPIF) contract with progress payments. Ten (10%) percent of incurred costs are withheld until the end of the contract, when they are liquidated. Mandatory funding obligations and progress payment withholds will cause the program to lag traditional expenditure benchmarks, painting an inaccurate portrait of overall program health.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0605229F / HH-60W					670001 / HH-60W Modernization Development			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030							
	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				
CRH Capability Upgrades Development																																
CRH MUOS CapabilityCRH MUOS Capability																																
CRH Global Positioning System Anti-Jam (GPS-AJ)																																
CRH Degraded Visual Environment System (DVES)																																
CRH Delivery Order (DO) 1 Agile Software Program																																
CRH Test and Evaluation																																
Air Force Test and Evaluation for Capability Upgrades																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CRH Capability Upgrades Development				
CRH MUOS CapabilityCRH MUOS Capability	3	2025	4	2026
CRH Global Positioning System Anti-Jam (GPS-AJ)	3	2025	4	2026
CRH Degraded Visual Environment System (DVES)	3	2025	4	2026
CRH Delivery Order (DO) 1 Agile Software Program	2	2025	4	2026
CRH Test and Evaluation				
Air Force Test and Evaluation for Capability Upgrades	2	2025	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674364 / HH-60W Modernization Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674364: HH-60W Modernization Development	0.000	0.000	0.000	43.579	0.000	43.579	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2026, PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational System Development efforts transferred to PE 0605229F, HH-60W, Project 674364, HH-60W Modernization Development, Budget Activity 7, Operational System Development to ensure proper execution and transparency. Project 670001 assigned to Air Force Tactical Exploitation of National Capabilities (AF TENCAP).

A. Mission Description and Budget Item Justification

The HH-60W Jolly Green is the US Air Force's Combat Rescue Helicopter (CRH). In FY 2023, a new operational USAF CRH had successfully completed a rescue operation in the AFRICOM theater. CRH, now in Full Rate Production (FRP) provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. CRH modernization funding is crucial to ensure the CRH fleet can support the new theater and revitalize support for not only the crew but the rescues they save. RDT&E efforts include but are not limited to Mobile User Objective System (MUOS) with Joint Range Extension Application Protocol (JREAP), Degraded Visual Environment System (DVES), Global Positioning System Anti-Jam System (GPS-AJ), Link-16 and the Delivery Order 1 (DO1) Agile Software Program. CRH effort and budget has been divided into three main thrusts: Follow-On, Software and Other Programs.

Follow-On Capability Upgrade Systems (FOCUS) program includes MUOS which provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice, data and video communications and is the DoD directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, The CRH will be compatible with future satellite communication standards. MUOS adds JREAP capability for Link-16 over the horizon/BLOS, Common Interactive Broadcast (CIB), and future data formats.

JREAP is a joint protocol per Military Standard (MIL-STD) 3011E, which allows for extension of J-series and Common Message Format messages through long back-haul means BLOS range, e.g. SATCOM, land lines, and specifically used with MUOS.

GPS-AJ modifications will enable CSAR operations in contested environments and areas with high jamming risk, especially where no other means of navigation exists, greatly reducing risk and significantly increasing combat capability in multiple theaters.

Software Upgrade Program (SUP) Delivery Order (DO) 1, Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. Currently, the CRH fleet does not have a reoccurring process to enable yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. DO 1 will not only give the warfighter the ability to rapidly fix these aging issues, but to also implement new software capability at the direction of the MAJCOM. SUP also includes and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning,

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development		
<p>Other Agile updates and Small Business Incentive Rate (SBIR) Tax. This Program shall be reoccurring to accomplish 5 years of agile support and software to the fleet. Requirement: ACC designated this critical to accomplish any other mandates or specific requirements.</p> <p>Other Programs include Degraded Visual Environment System (DVES) which significantly reduces operational risk in all CRH regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVE material and technical solution to the DoD's #1 flight rotary wing flight risk, reduces operator workload, increases ability to operate in limited visibility conditions, and reduces mishaps saving lives and equipment. Link 16 and Infrared Countermeasures (IRCM) are Other Programs planned.</p> <p>This funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Program Support Costs (PSC) activities, Other Government Costs (OGC), various studies and analysis, upgrades, future HH-60W planning activities, and resolution of Diminishing Manufacturing Sources/Material Shortages (DMSMS) and/or obsolescence issues. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and engineering efforts for redesign.</p> <p>The CRH program funding also supports innovation activities to include testing, integrated master plans, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Planned work includes program testing and development, effects testing, development of baseline integrated master plans and mission planning system analysis.</p> <p>This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.</p> <p>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 FY 2024 \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 million is forecast for civilian pay expenses in this program element.</p>				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Follow-On Capability Upgrade Systems (FOCUS)		0.000	0.000	10.231
Description: Follow-On Capability Upgrade Systems (FOCUS) includes MUOS capability provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice, data and video communications and is the DoD directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). MUOS adds JREAP capability for Link-16 over the horizon/BLOS, Common Interactive Broadcast (CIB), and future data formats. JREAP is a joint protocol per Military Standard (MIL-STD) 3011E. GPS-AJ modifications will enable CSAR operations in contested environments and areas with high jamming risk, especially where no other means of navigation exists.				
FOCUS is not a new start. In FY 2025 Project 670001, HH-60W Modernization Development included planned programs HH-60W MUOS Capability, HH-60W GPS-AJ, HH-60W Degraded Visual Environment System (DVES), HH-60W Delivery Order (DO) 1				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W		Project (Number/Name) 674364 / HH-60W Modernization Development	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Agile Software Program and HH-60W Government Test and Evaluation-Modernization Development. In FY 2026, Project 670001 transferred to Project 674364 to ensure proper execution and transparency. Planned programs HH-60W MUOS Capability, HH-60W GPS-AJ, and HH-60W Degraded Visual Environment System (DVES) were consolidated under major thrust, FOCUS.					
FY 2025 Plans: N/A					
FY 2026 Plans: Perform development and integration for MUOS-capable radios and software in the COM-3/COM-4 positions and additional development for GPS-AJ. Start initial development on JREAP to support MUOS capability.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to development and integration efforts for MUOS and initial work with JREAP capability.					
Title: Software Upgrade Program (SUP)			0.000	0.000	33.348
Description: Delivery Order (DO) 1 Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. Currently, the CRH fleet does not have a reoccurring process to enable yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. DO 1 will not only give the warfighter the ability to rapidly fix these aging issues, but to also implement new software capability at the direction of the MAJCOM. SUP also includes and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning, Other Agile updates and Small Business Incentive Rate (SBIR) Tax.					
FY 2025 Plans: N/A					
FY 2026 Plans: Perform development and integration activities for DO1 to continue ARC 2 and ARC 3 software and government test and Training System's projects.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased to due to ramp up of DO1 and Government Test efforts.					
Accomplishments/Planned Programs Subtotals			0.000	0.000	43.579

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development	

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 07 0605229F: <i>HH-60W</i>	-	39.629	-	-	-	-	-	-	-	-	-
• APAF 04 H060WH: <i>Combat Rescue Helicopter</i>	597.408	355.185	107.500	-	107.500	-	-	-	-	-	-
• APAF 06 H060WH BA06: <i>CRH BA06</i>	0.000	1.859	2.329	-	2.329	-	-	-	-	-	-
• APAF 05 H060WM: <i>HH60W Modifications</i>	0.000	18.911	9.150	-	9.150	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

The HH-60W Capability Upgrades program will deliver iterative incremental capability upgrades to the CRH technical baseline based on ACC approved requirements and funding, and collective ACC/Program office R&PC candidate packaging and delivery. Discrete capability releases will involve hardware and software development (which may include integration of pre-existing material solutions), development of product support packages to ensure field supportability, verification of system performance prior to Government acceptance via lab, SIL, and flight testing, fleet retrofit via production cut-ins (when possible) or mod lines to include maintenance of common configuration, and updates to associated training systems to include the WST, OFT, AVDTT, AST, associated spares and support elements/equipment, as well as Type 1 training and course-ware required to perform flight, aircrew, and maintenance training.

The first of the capability modifications are expected to initiate in FY 2024 via the current Capability Upgrades Indefinite Delivery, Indefinite Quantity (IDIQ) contract with EMD efforts expected to extend through FY 2028. Low-rate initial production and retrofit activities are baselined to occur via the Capability Upgrades IDIQ contract post EMD completion followed execution of separate competitive contracting efforts to address full rate production and fleet retrofit expected to begin in the FY 2025 timeframe. Contracting types will be a mix of Cost-Plus Fixed Fee (CPFF), Fixed Price Incentive Fee (FPIF), and Firm Fixed Price (FFP) based on the maturity of capabilities planned for integration and the complexity of said integration activities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674364 / HH-60W Modernization Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mobile Objective User System (MUOS) Capability	MIPR	Army DEVCOM A&MC PIF : TBD	-	-		-		5.228	Jun 2026	-		5.228	-	-	-
Global Positioning System Anti-Jam (GPS-AJ)	MIPR	Army DEVCOM A&MC PIF : TBD	-	-		-		1.801	Jun 2026	-		1.801	-	-	-
Delivery Order (DO) 1 Agile Software Program	C/FPIF	Sikorsky : Stratford, CT	-	-		-		20.902	Mar 2026	-		20.902	-	-	-
Joint Range Extension Protocol (JREAP)	MIPR	Army DEVCOM A&MC PIF : TBD	-	-		-		3.202	Jun 2026	-		3.202	-	-	-
Subtotal			-	-		-		31.133		-		31.133	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W Product Support related to aircraft development, integration, test articles, trainers and contractor test, including SIBR	Various	Various : TBD	-	-		-		1.850	Apr 2026	-		1.850	-	-	-
Direct Cite Civ Pay	RO	AFLCMC : WPAFB, OH	-	-		-		6.000	Sep 2026	-		6.000	-	-	-
Subtotal			-	-		-		7.850		-		7.850	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W planning and testing to support development and operational test, live fire	PO	413th, 579th, 704th TS : Nellis, AFB, NV	-	-		-		4.596	Mar 2026	-		4.596	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674364 / HH-60W Modernization Development					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 other weapon system testing and support															
Subtotal			-	-		-		4.596		-		4.596	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		43.579		-		43.579	-	-	N/A
Remarks															
In FY 2026, PE 0605229F, HH-60W, Project 670001 efforts transferred to PE 0605229F, HH-60W, Project 674364, HH-60W Modernization Development, Budget Activity 7, Operational System Development to ensure proper execution and transparency.															
FINANCIAL PERFORMANCE: HH-60W is evaluated against traditional Research and Development (R&D) program expenditure benchmarks. Unlike many traditional R&D programs, however, the HH-60W Engineering and Manufacturing Development (EMD) Phase contract is a Fixed Price Incentive Fee (FPIF) contract with progress payments. Ten (10%) percent of incurred costs are withheld until the end of the contract, when they are liquidated. Mandatory funding obligations and progress payment withholds will cause the program to lag traditional expenditure benchmarks, painting an inaccurate portrait of overall program health.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W		Project (Number/Name) 674364 / HH-60W Modernization Development	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Capability Upgrades Development																												
Mobile User Objective System (MUOS) Capability																												
Global Positioning System Anti-Jam (GPS-AJ)																												
Degraded Visual Environment System (DVES)																												
Delivery Order (DO) 1 Agile Software Program																												
Joint Range Extension App Protocol (JREAP)																												
Test and Evaluation																												
Air Force Test and Evaluation for Capability Upgrades																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Capability Upgrades Development				
Mobile User Objective System (MUOS) Capability	3	2025	2	2028
Global Positioning System Anti-Jam (GPS-AJ)	3	2025	2	2028
Degraded Visual Environment System (DVES)	3	2025	2	2029
Delivery Order (DO) 1 Agile Software Program	2	2024	4	2029
Joint Range Extension App Protocol (JREAP)	3	2026	2	2029
Test and Evaluation				
Air Force Test and Evaluation for Capability Upgrades	1	2024	4	2030

Note
In FY 2026, PE 0605229F, HH-60W, Project 670001, HH-60W Modernization Development, Budget Activity 7, Operational System Development efforts transferred from Project 670001 to Project 674364, HH-60W Modernization Development to ensure proper execution and transparency.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0605278F / HC/MC-130 Recap RDT&E
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	13.195	16.085	50.845	0.000	50.845	-	-	-	-	-	-
675278: <i>HC-130J Modernization</i>	0.000	0.926	0.748	0.891	0.000	0.891	-	-	-	-	-	-
675910: <i>Communication Modernization</i>	0.000	12.269	15.337	49.954	0.000	49.954	-	-	-	-	-	-

Program MDAP/MAIS Code: 257

Note
 This program, BA 7, PE 0605278F, project 675910, Star XIII Mission Computer, is a new start.

A. Mission Description and Budget Item Justification

HC/MC-130 Recapitalization provides a Medium-lift tanker aircraft to replace the aging USAF fleet of combat rescue HC-130P/N and special operations MC-130E/H/P/W and AC-130H/U/W aircraft for Combat Search and Rescue (CSAR) and Air Force Special Operation Forces, which are experiencing airworthiness, maintainability, and operations limitations. HC/MC-130 Recap incorporates production line modifications to the C-130J production aircraft to convert them to an HC/MC model, providing a common baseline configuration aircraft. The program also funds post-production modifications to add special mission systems required for behind- enemy-line operations required of CSAR and Special Operations aircraft. The HC-130J aircraft provides combat search and rescue infiltration and exfiltration including aerial refueling of aircraft in combat search and rescue operations as well as acting as an airborne command post during rescue operations. The MC-130J can provide specialized mobility capability to position, supply, re-supply and recover specialized ground tactical units. The AC-130J is an MC-130J that has been highly modified to provide close air support and armed reconnaissance.

The Research, Development, Testing and Evaluation (RDT&E) portion of the Recap program funds engineering support and studies to conduct rapid development activities, and develops upgrades to deliver specific increments of capability in common configurations across the fielded fleet, which includes AC/HC/MC-130J. The RDT&E activities in PE 0605278F currently include, but are not limited to, Block 7.0/8.1, and Communications Modernization and related efforts to meet the Cryptographic Modernization Mandates, Resilient Positioning, Navigation, and Timing (R-PNT) STAR XIII Mission Computer Operational Flight Program (OFP) development. Block 7.0/8.1 leverages the baseline C-130J (PEC 0401132F) Block 7.0/8.1 upgrade, but funds unique AC/HC/MC-130J configuration integration requirements. The Block 7.0/8.1 project will deliver Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) capabilities required for compliance with evolving international airspace standards. It also incorporates a new Flight Management System (FMS) that allows AC/HC/MC-130J aircraft to maintain hardware and software commonality with the C-130J Enterprise. The remaining capabilities 7.0/8.1 provides are Link-16, Civil GPS Navigation and Data Link, Identification Friend or Foe (IFF) Transponder Mode-5, and Automatic Dependent Surveillance-Broadcast Out (ADS-B Out). The USAF has also initiated the Communications Modernization program to comply with Cryptographic Modernization 1 and 2 requirements, including but not limited to meeting Mobile User Objective System (MUOS) and VINSON/ ANDVT Cryptographic Modernization (VACM) mandates, as well as deliver Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), Single Channel Ground and Airborne Radio System (SINCGARS), Airborne Mission Network (AbMN) integration, and HF Modernization capabilities to resolve DMS issues.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
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 0605278F / <i>HC/MC-130 Recap RDT&E</i>
<p>The Air Force decoupled IFF Mode 5 and ADS-B from the Block 7.0/8.1 program to accelerate fielding to address DoD mandates. Additionally, in 2018 the USAF significantly revamped its HC-130J Block 7.0/8.1. upgrade strategy, de-scoping the MC-130J from the current Block 7.0/8.1 program to allow the MC-130J to prioritize other (SOCOM- funded) modifications while allowing Air Combat Command (ACC) to move forward with Block 7.0/8.1 on the HC-130J. The majority of the AC/MC-130J Block 7.0/8.1 requirements, including meeting the DoD MUOS and VACM mandates, will be addressed through the Communications Modernization program. The remaining capabilities will be addressed at a future date.</p> <p>Resilient Positioning, Navigation, and Timing (R-PNT) will provide reliable and accurate R-PNT solutions to ensure safe aerial navigation, delivery of precision fires, and support precise time coordination. This capability will also provide the foundation to counter emerging and continuously evolving electronic and cyber threats to R-PNT. R-PNT will integrate hardware and software to enable transit in GPS degraded/denied environments and support documented strategy requirements for uncompromised CSAR and SOF infil/exfil operations in contested environments. The chosen R-PNT solution will comply with the CSAF Capability Development Guidance Memorandum (CDGM), dated 4 Oct 2022.</p> <p>The STAR XIII Mission Computer OFP program will develop, verify, and certify a software release to enable fleet interoperability with the new STAR XIII Mission Computer. The program will involve a Trial Kit Installation, development testing, and Product Support Package development and validation in advance of production and fielding.</p> <p>HC/MC-130J Recap 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. It also covers integration and certification for Diminishing Manufacturing Sources Materiel Solutions (DMSMS) and other development activities under the Continuous Improvement Program (CIP) as needed to keep the AC/HC/MC programs effective against emerging threats. This development funding covers associated aircraft costs for testing purposes to include but not limited field level maintenance such as day-to-day launch, recovery, inspection, servicing, and removal and replacement of LRUs within the capabilities and qualifications of its maintenance team, support equipment needed to support flight test, maintenance repair team support during the transfer ferry sortie if the aircraft diverts and all test related aircraft flying hour costs.</p> <p>The program may also include any Contractor Manpower Equivalent (CME)/A&AS support deemed necessary to support the program objectives. The HC/MC-130 Recap RDT&E permits the initiation and employment of rapid acquisition authorities to respond to emerging threats and requirements as needed.</p> <p>The FY 2026 request was reduced by \$2.069 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."</p> <p>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 3.267M was expended for civilian pay expenses in this program element, and in FY 2025 4.328M is forecast for civilian pay expenses in this program element.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0605278F I HC/MC-130 Recap RDT&E			
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	36.536	24.934	46.117	0.000	46.117
Current President's Budget	13.195	16.085	50.845	0.000	50.845
Total Adjustments	-23.341	-8.849	4.728	0.000	4.728
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-3.100	-8.849			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-19.127	0.000			
• SBIR/STTR Transfer	-1.114	0.000			
• Other Adjustments	0.000	0.000	4.728	0.000	4.728
Change Summary Explanation					
FY 2024 funding request reduced by a total of \$23.341 million due to a Congressional Mark for \$3.100 million Communication Modernization Phase II early to need, Above Threshold Reprogramming for \$15.026 million and a Below Threshold Reprogramming for \$4.101 million to support Air Force higher priority requirements, and \$1.114 million for Small Business Innovation Research (SBIR) program.					
FY 2025 funding decreased by \$8.849 million due to a Congressional Mark for Communication Modernization Phase II carryover.					
FY 2026 funding request increased by \$4.728 million to support New Start, STAR XIII Mission Computer efforts.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675278 / HC-130J Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675278: HC-130J Modernization	0.000	0.926	0.748	0.891	0.000	0.891	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

HC/MC-130 Recapitalization replaces the aging USAF fleet of combat rescue HC-130P/N and special operations MC-130E/H/P/W and AC-130H/U/W aircraft for Combat Search and Rescue (CSAR) and Air Force Special Operation Forces, which are experiencing airworthiness, maintainability, and operational imitations. The primary effort to modernize CSAR capabilities on the HC-130J platform to keep the aircraft viable against emerging threats. The HC-130J Modernization Programs fund the program lifecycle from development to installation in three major thrust areas to include but not limited to Continuous Improvement Program (CIP), Development, and Government Test. RDT&E permits the initiation and employment of rapid acquisition authorities to respond to emerging threats and requirements as needed.

CIP includes recurring software and hardware enhancements to address evolving requirements for Special Operations Forces and Personnel Recovery missions. These enhancements will be incorporated in both production and fielded aircraft. These enhancements will include, but are not limited to, parallel operational flight program [OPF] updates, integration and certification for Diminishing Manufacturing Sources Materiel Solutions [DMSMS], and other development activities as needed to keep the HC-130J programs effective against emerging threats. This 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.

The HC-130J Modernization Development program funds engineering support, development, and test activities necessary to deliver specific capabilities in support of connectivity, survivability, and sustainment objectives. These activities may include, but are not limited to, development and integration of electronic warfare, airborne battle management, and an upgraded Link-16 capability. This program would include HC-130J platform support to resolve deficiency reports and meet mission requirements/mandates to maintain the fleet. Testing purposes include, but not limited to, field level maintenance such as day-to-day launch, recovery, inspection, servicing, and removal and replacement of LRUs within the capabilities and qualifications of its maintenance team, support equipment needed to support flight test, maintenance repair team support during the transfer ferry sortie if the aircraft diverts and all test related aircraft flying hour costs.

This program element may include necessary Contractor Manpower Equivalent (CME)/A&AS support and civilian pay expenses required to manage, execute, and deliver HC-130J modernization weapon system capabilities. Currently, HC-130J Block 7.0/8.1 program has allocated Direct Cite Authority positions. These allocated positions support ACC program planning and may be reallocated to future programs as they are established.

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.

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

	FY 2024	FY 2025	FY 2026
Title: Continuous Improvement Program (CIP)	0.001	0.001	0.001

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675278 / HC-130J Modernization	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p>Description: Recurring Software and hardware enhancements to address evolving requirements for Special Operations Forces and Personnel Recovery missions. These enhancements will be incorporated in both production and fielded aircraft. These enhancements will include, but are not limited to, parallel operational flight program [OFP] updates. Also, supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/ demonstrations to accelerate planning for technology transition, technology insertion, digital engineering concepts and employment, and future acquisition programs. It also covers integration and certification for Diminishing Manufacturing Sources Materiel Solutions (DMSMS) and other development activities as needed to keep the AC/HC/MC programs effective against emerging threats.</p> <p>FY 2025 Plans: Software and hardware enhancements activities required for the HC-130J.</p> <p>FY 2026 Plans: Continued software and hardware enhancements activities for the HC-130J.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>			
<p>Title: HC-130J Modernization</p> <p>Description: The HC-130J Modernization Development program funds engineering support, development, and test activities in support of connectivity, survivability, and sustainment objectives.</p> <p>FY 2025 Plans: Continuing efforts in support of HC-J modernization.</p> <p>FY 2026 Plans: Continuation of engineering support, development, and test activities in support of HC-J modernization.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to planned development activity increase.</p>	0.925	0.747	0.890
Accomplishments/Planned Programs Subtotals	0.926	0.748	0.891

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 HCMC00: HC/ MC-130 Modifications	101.055	213.284	367.175	-	367.175	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675278 / HC-130J Modernization			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 07 HCMC00: HC/MC-130 PPS	0.000	18.604	17.986	-	17.986	-	-	-	-	-	-
• APAF 07 C130JM: MC-130 PPS	10.117	0.000	0.000	-	0.000	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Project 675278, HC-130J Modernization Program funds all life cycle efforts from development to installation. The HC-130J Modernization acquisition strategy is developed on an as needed basis dependent on each activity and capability to include but not limited to two major thrusts: Continuous Improvement Program (CIP), and HC-130J Modernization. HC-130J Modernization includes engineering support and development activities necessary to deliver specific capabilities.											
HC-130J Modernization development efforts to date have been on Cost Plus Award Fee (CPAF) and Cost Plus Incentive Fee (CPIF) type contracts.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675278 / HC-130J Modernization					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HC-130J Modernization: Program Development	Various	Various : Various	0.000	0.925	Nov 2023	0.747	Nov 2024	0.890	Nov 2025	-		0.890	-	-	-
Continuous Improvement Program CIP	Various	Various : Various	0.000	0.001	Nov 2023	0.001	Nov 2024	0.001	Nov 2025	-		0.001	-	-	-
Subtotal			0.000	0.926		0.748		0.891		-		0.891	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.926		0.748		0.891		-		0.891	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0605278F / HC/MC-130 Recap RDT&E			675278 / HC-130J Modernization				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
HC-130J Modernization																												
HC-130J Modernization Program Development																												
CIP																												
Government Testing support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675278 / HC-130J Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
HC-130J Modernization				
HC-130J Modernization Program Development	1	2024	4	2030
CIP	2	2024	4	2030
Government Testing support	2	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675910 / Communication Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675910: Communication Modernization	0.000	12.269	15.337	49.954	0.000	49.954	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
This program, BA 7, PE 0605278F, project 675910, Star XIII Mission Computer, is a new start.

PE 0605278F, HC/MC-130 Recap RDT&E, Project 675910, Communication Modernization changed from Block 8.X.

A. Mission Description and Budget Item Justification

The Communication Modernization Project will allow the AC/HC/MC-130Js to meet the Secretary of the Air Force's Cryptographic Modernization Mandate requirements. The USAF initiated the Communications Modernization program to comply with Cryptographic Modernization 1 and 2 requirements, including, but not limited to, meeting Mobile User Objective System (MUOS) and VINSON/ANDVT Cryptographic Modernization (VACM) mandates, as well as delivering Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), Single Channel Ground and Airborne Radio System (SINCGARS), Airborne Mission Network (AbMN) integration, and HF Modernization capabilities to resolve DMS issues.

The Air Force intends to execute critical portions of AC/MC-130J 7.0/8.1 program as part of the Communications Modernization program. The remaining AC/MC-130J 7.0/8.1 capabilities (i.e., those not needed to execute Communications Modernization) will be installed on the AC and MC-130J under a future RDT&E program within this project.

Communication Modernization funding supports innovation activities to include but are not limited to studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs. Project 675910, Communication Modernization may include initiation and employment of rapid acquisition authorities to respond to emerging threats and requirements as need.

Resilient Positioning, Navigation, and Timing will provide reliable and accurate PNT solutions to ensure safe aerial navigation, delivery of precision fires, and support precise time coordination. This capability will also provide the foundation to counter emerging and continuously evolving electronic and cyber threats to PNT. R-PNT will integrate hardware and software to enable transit in GPS degraded/denied environments and support documented strategy requirements for uncompromised CSAR and SOF infil/exfil operations in contested environments. The chosen R-PNT solution will comply with the CSAF Capability Development Guidance Memorandum (CDGM), dated 4 Oct 2022.

STAR XIII mission computer will ensure interoperability of the new STAR XIII computer with the A/H/M fleet. The STAR XIII mission computer is a Diminishing Manufacturing Source replacement to the STAR IX MC. This effort will include but is not limited to integration with the MC-130J CR-2 software baseline (PE 1160403BB, Aviation Systems); funding covers development, integration testing, and associated fielding costs for the software build.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675910 / Communication Modernization		
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 \$3.267 million was expended for civilian pay expenses in this program element, and in FY 2025 \$4.328 million is forecast for civilian pay expenses in this program element.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Title: Communications Modernization Phase I			2.983	3.333	3.648
Description: Includes, but is not limited to compliance with Mobile User Objective System (MUOS) and VINSON/ANDVT Cryptographic Modernization (VACM) mandates, which will allow for continuous secure voice, data, video, network-centric, and satellite communications in real-time as the satellite constellation transitions and cryptographic algorithms are modernized. Also, Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), and Airborne Mission Networking (AbMN).					
FY 2025 Plans: Continuation of Phase I EMD activities.					
FY 2026 Plans: Continuation of Phase I EMD activities. Phase 1 is projected to complete development in FY26.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to ramp up of Phase I EMD Communication Modernization activities.					
Title: Communications Modernization Phase II			8.508	9.271	34.318
Description: Includes, but is not limited to, Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), Single Channel Ground and Airborne Radio System SINCGARS, and HF Modernization capabilities to resolve DMS issues, which will allow for continuous UHF, VHF, and HF communications in real-time. Due to technical inter-dependencies of the Communications Modernization program on some sub-systems delivered in the Block 7.0/8.1 program, AC/MC-130J 7.0/8.1 requirements will be addressed through both the Communications Modernization program and a future AC/MC-130J 7.0/8.x program.					
FY 2025 Plans: Continuation of Phase II EMD activities.					
FY 2026 Plans: Continuation of Phase II EMD activities.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to ramp up of Phase II Communications Modernization development activities in preparation for testing.					
Title: Government Test Support - Phase I			0.776	1.602	0.001
Description: Test and evaluation planning, support to NSERC for developmental and operational testing for Phase I. This development activity also supports associated aircraft costs for testing purposes to include but not limited field level maintenance,					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675910 / Communication Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
and day-to-day launch, recovery, inspection, servicing, and removal and replacement of LRUs, support equipment needed to support flight test, maintenance repair team support during the transfer ferry sortie if the aircraft diverts and all test related aircraft flying hour costs.					
FY 2025 Plans: Continued Phase I EMD activities for Communications Modernization.					
FY 2026 Plans: Continuation of EMD activities for Communications Modernization Phase 1 Government Test Support for final operational test events.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to reduced operational testing activities.					
Title: Government Test Support - Phase II			0.001	0.373	3.451
Description: Includes test and evaluation planning, conduct and support to include NSERC for developmental and operational testing for Phase II. This development activity also includes, but is not limited to, associated aircraft costs for testing purposes to include but not limited field level maintenance such as day-to-day launch, recovery, inspection, servicing, and removal and replacement of LRUs within the capabilities and qualifications of its maintenance team, support equipment needed to support flight test, maintenance repair team support during the transfer ferry sortie if the aircraft diverts and all test related aircraft flying hour costs.					
FY 2025 Plans: Continuation of Phase II EMD activities for Communications Modernization.					
FY 2026 Plans: EMD activities to include but not limited to test and evaluation planning, conduct and support for NSERC for Communications Modernization Phase II Phase II.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to ramp up of Phase II Test developmental and support activities.					
Title: Continuous Improvement (CIP)			0.001	0.757	1.952
Description: Recurring Software and hardware enhancements to address evolving requirements. These enhancements will be incorporated in both production and fielded aircraft. These enhancements will include, but are not limited to parallel operational flight program [OFP] updates. Also, supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/ demonstrations to accelerate planning for technology transition, technology insertion, digital engineering concepts and employment, and future acquisition programs. It also covers integration and certification for					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675910 / Communication Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Diminishing Manufacturing Sources Materiel Solutions (DMSMS) and other development activities as needed to keep the AC/HC/MC programs effective against emerging threats. FY 2025 Plans: Continue to support studies. FY 2026 Plans: Continue to support Studies FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to increase in required studies activities.					
Title: Resilient Positioning, Navigation, and Timing (R-PNT) Description: Development, integration, and fielding of a Resilient Positioning, Navigation, and Timing capability. FY 2025 Plans: Begin planning activities for initial studies/investigation of possible integration paths for R-PNT. FY 2026 Plans: Contracting activites, studies and begin development for R-PNT capability. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase due to ramp up of R-PNT development activities.			0.000	0.001	5.488
Title: Star XIII Mission Computer Description: Development, verification, and certification of STAR XIII mission computer software release. FY 2025 Plans: N/A FY 2026 Plans: Begin planning activities, Request for Proposal release, and contract award and upon contract award begin agile software development to integrate aircraft configurations with a STAR XIII OFP. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to ramp up of contracting activities and software development.			-	0.000	1.096
Accomplishments/Planned Programs Subtotals			12.269	15.337	49.954

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675910 / Communication Modernization			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 HCMC00: HC/ MC-130 Modifications	101.055	213.284	367.175	-	367.175	-	-	-	-	-	-
• APAF 07 HCMC00: HC/MC-130 PPS	0.000	18.604	17.986	-	17.986	-	-	-	-	-	-
• APAF 07 C130JM: MC-130J PPS	10.117	0.000	0.000	-	0.000	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The Communications Modernization Program was split into two phases to accelerate the required capabilities for the 2024 crypto mandates. Development work done to date was accomplished utilizing a Cost Plus Fixed Fee (CPFIF) contract.											
The Communications Modernization Phase I program complies with Mobile User Objective System [MUOS] and VINSON/ANDVT Cryptographic Modernization [VACM] mandates, which will allow for continuous secure voice, data, video, network-centric, and satellite communications in real-time as the satellite constellation transitions and cryptographic algorithms are modernized.											
The Communications Modernization Phase II program addresses critical Second-generation Anti-jam Tactical UHF Radio for NATO [SATURN], Single Channel Ground and Airborne Radio System [SINCGARS], and HF Modernization capabilities to resolve DMS issues, which will allow for continuous UHF, VHF, and HF communications in real-time.											
The Resilient Positioning, Navigation, and Timing program will provide an M-Code capable GPS receiver, upgraded digital Antenna Electronics, and Resilient GPS/INS (R-EGI) hardware. Contract strategy will be determined.											
The STAR XIII Mission Computer program will ensure STAR XIII interoperability with AC/HC/MC-130J aircraft and mitigate impacts due to STAR IX Mission Computer DMS. Contract strategy will be determined.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675910 / Communication Modernization					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Communications Modernization Phase I	SS/CPAF	Lockheed Martin : Marietta, GA	0.000	1.501	Mar 2024	1.065	Aug 2025	2.478	Jun 2026	-		2.478	-	-	-
Communications Modernization Phase II	SS/CPAF	Lockheed Martin : Marietta, GA	0.000	6.723	Jul 2024	8.176	Mar 2025	33.524	Oct 2025	-		33.524	-	-	-
Star XIII Mission Computers	C/CPFF	Lockheed Martin : TBD	0.000	-		-		1.096	Apr 2026	-		1.096	-	-	-
Resilient Positioning, Navigation, and Timing (R-PNT)	C/CPAF	Lockheed Martin : TBD	0.000	-		-		5.488	Jun 2026	-		5.488	-	-	-
Subtotal			0.000	8.224		9.241		42.586		-		42.586	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Civ Pay	TBD	Not specified. : TBD	0.000	1.437	Jan 2024	1.772	Oct 2024	1.170	Oct 2025	-		1.170	-	-	-
Government Support Test	RO	46th Test Wing; TBD : TBD	0.000	0.776	Jan 2024	1.424	Oct 2024	0.001	Oct 2025	-		0.001	-	-	-
Direct Cite Civ Pay Phase II	TBD	Not specified. : TBD	0.000	1.830	Jan 2024	2.556	Oct 2024	2.196	Oct 2025	-		2.196	-	-	-
Government Support Test Phase II	RO	46th Test Wing; TBD : TBD	0.000	0.001	Jul 2024	0.343	Jan 2025	3.451	Jul 2026	-		3.451	-	-	-
Subtotal			0.000	4.044		6.095		6.818		-		6.818	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Continuous Improvement Program (CIP)	C/Various	Various : TBD	0.000	0.001	Jan 2024	0.001	Jan 2025	0.550	Jan 2026	-		0.550	-	-	-
Subtotal			0.000	0.001		0.001		0.550		-		0.550	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E					Project (Number/Name) 675910 / Communication Modernization			
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	12.269		15.337		49.954		-		49.954	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																Date: June 2025			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0605278F / HC/MC-130 Recap RDT&E								675910 / Communication Modernization			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Communication Modification																												
Communications Modernization Phase I																												
Communications Modernization Phase II																												
Government Test Support Phase I																												
Government Test Support Phase II																												
Continuous Improvement Program (CIP)																												
Resilient Positioning, Navigation, and Timing (R-PNT)																												
Star XIII Computers																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675910 / Communication Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Communication Modification				
Communications Modernization Phase I	1	2024	4	2026
Communications Modernization Phase II	2	2025	1	2030
Government Test Support Phase I	1	2024	4	2026
Government Test Support Phase II	4	2024	3	2030
Continuous Improvement Program (CIP)	1	2024	4	2030
Resilient Positioning, Navigation, and Timing (R-PNT)	3	2026	3	2029
Star XIII Computers	3	2026	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0606018F / NC3 Integration							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	22.222	21.864	40.066	0.000	40.066	-	-	-	-	-	-
674877: <i>NC3 Integration, Assessment, and Improvement</i>	0.000	22.222	21.864	40.066	0.000	40.066	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Nuclear Command, Control, and Communications (NC3) is critical to our Nation's nuclear deterrence. 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. These functions are accomplished through the NC3 system of systems.

The NC3 system of systems provides connectivity from the President or Secretary of Defense through the National Military Command System (NMCS) to nuclear execution forces worldwide. To enhance NC3 mission success, the Air Force (AF) formalized AF NC3 elements as a specified AF Weapon System (WS), AN/USQ-225. Activities funded in this Program integrate legacy systems, ongoing NC3 programs, and future capabilities for the overall AF NC3 WS.

The AF Nuclear Weapon Center NC3 Integration Directorate (AFNWC/NC) ensures current, new, and future NC3 capabilities are fully integrated as part of the Air Force's overall effort to sustain, modernize, and recapitalize the nuclear enterprise. AFNWC/NC is responsible for integrating NC3 materiel management across Air Force Materiel Command (AFMC) to include authority and responsibility for weapon system architecture, weapon system configuration management, weapon system state-of-health reporting, risk management, supply chain management, overall integration, system test, verification, and certification. AFNWC/NC is responsible for analyzing, defining, building, and sustaining current and future AF NC3 WS system of systems configuration baselines, and marshaling necessary Supporting Centers in AFMC and other units/agencies in the Air Force and the Department of Defense (DoD) to support and/or accomplish these tasks. AFNWC/NC collaborates with AFMC Supporting Centers to champion the full spectrum of doctrine, organization, training, materiel, leadership and education, personnel, facilities, and policy (DOTMLPF-P) efforts, in support of U.S. Strategic Command as the Enterprise Lead for NC3, the Under Secretary of Defense for Acquisition and Sustainment as the NC3 Enterprise Capability Portfolio Manager, and Air Force Global Strike Command (AFGSC) as the Lead Command championing NDO requirements for all Combatant Commands.

This program funds activities for integrating AF NC3 WS materiel, authority and responsibility for model-based systems engineering (modeling, simulation and visualization) of the NC3 WS, digital engineering, configuration management, change management, risk management, weapon system state-of-health and mission worthiness assessments and reporting, supply chain supportability and risk management, and overall AF NC3 WS integration, development, system test, experimentation, modeling and simulation of capability gaps with potential solution alternative trade space assessments, verification, fielding, and certification. This program also supports capability gap analyses, predictive analysis of impacts to the weapon system, modernization and integration activities in support of AFGSC's

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0606018F I NC3 Integration				
Capability Development Process (ACDP), Joint All Domain Command and Control (JADC2) and Advanced Battle Management System (ABMS) initiatives. Starting in FY25, this PE will also be supporting NC3 baseline integration into the Sentinel Weapon System Program, to include new equipment purchases and the transfer of Minuteman III (MMIII) NC3 equipment to the Sentinel Weapon System.						
The FY 2026 request was reduced by [1.586] 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."						
The FY 2026 total adjustment was an increase of 15.022M.						
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 FY 2024 0.000M was expended for civilian pay expenses in this program element, and in FY 2025 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		22.910	21.864	25.044	0.000	25.044
Current President's Budget		22.222	21.864	40.066	0.000	40.066
Total Adjustments		-0.688	0.000	15.022	0.000	15.022
• 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		-0.512	0.000			
• Other Adjustments		-0.176	0.000	15.022	0.000	15.022
Change Summary Explanation						
FY 2026 increase of 15.022M. increase provides additional funds for NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program and for FY 2026 re-baseline efforts						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: NC3 Integration, Assessment, and Improvement				22.222	21.864	40.066

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Efforts include, but are not limited to:</p> <ul style="list-style-type: none"> - Modeling, simulation, and visualization of the AF NC3 WS current and future capabilities - Conducting capability gap, predictive analysis of weapon system impacts and trade-space analyses via digital engineering methodologies - Establishing NC3 capability recapitalization and modernization plans - Developing and conducting the AF NC3 WS health & mission worthiness assessments, as well as, expanding existing High Frequency (HF) and other frequency testbeds utilizing a phased approach - Conducting NC3 system component verification - Implementing and employing program and material management controls for the AF NC3 WS including configuration management, change management, risk management, supply chain supportability and risk management, maintenance data collection and reporting capabilities and AF NC3 WS health monitoring solutions - Issue tracking and resolution, assessments and analysis, and governance - Providing data-driven system of system solutions, and shaping NC3 component program acquisition strategies for AF NC3 WS sustainment and performance capability improvements - Initiating and implementing new capability programs/systems and changes to existing programs to align with AF NC3 WS requirements, test and certification, and future capabilities - Interfacing with JADC2 & ABMS leadership to ensure NC3 modernization efforts are synchronized with larger AF modernization efforts and identifying risk areas where advanced tech demonstrations may be required <p>FY 2025 Plans: NC3 weapon system integration efforts including, but not limited to:</p> <ul style="list-style-type: none"> - Continue to implement test and evaluation certification program for NC3 WS - Continue to expand existing communication spectrum and cyber assessment test bed utilizing a phased approach - Continue to perform NC3 physics, communication and networking analysis - Continue to develop and evolve technical framework of the NC3 WS to meet mission threats of 2030 and beyond - Continue to conduct WS analysis, develop WS capability model, plan WS updates, and implement WS updates - Continue to evaluate options for system-of-system performance improvements within constraints of NC3 WS strategic vision and roadmap - Continue to expand capabilities related to analysis, modeling, simulation, visualization and prototyping of emerging NC3 technologies. - Continue to develop and implement AF NC3 WS program and materiel management control processes including risk management, configuration management, change management, supply chain management, maintenance data collection and 				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>reporting and NC3 WS health assessment application, integrated scheduling, change management, and budgeting and cost controls, etc.</p> <ul style="list-style-type: none"> - Continue to expand capabilities supporting NC3 weapon system mission worthiness, cyber and intel health and risk assessments, reporting and issue resolution. - Continue to map out the NC3 WS supply chain and develop supply chain monitoring capability, supply chain supportability, and supply chain risk management - Continue to expand development of digital models across the NC program portfolio to measure and report capability impacts. - Continue to expand digital acquisition processes and methodologies across the NC portfolio of programs - Continue to develop and coordinate Operational Performance Criteria Document (OPCD) to support weapon system configuration element specs, test and evaluation, and assessment of weapon capabilities and limitations - Continue to establish authoritative intelligence community analysis for high-altitude electromagnetic pulse (HEMP) - Continue to improve integration and interoperability of the NC3 WS - Continue to conduct WS risk, issue, and opportunity analysis, and mitigation/corrective action/pursuit plan development - Support the NC3 baseline integration into the Sentinel Weapon System Program, to include new equipment purchases and the transfer of Minuteman III (MMIII) NC3 equipment to the Sentinel Weapon System. <p>FY 2026 Plans:</p> <p>NC3 weapon system integration efforts including, but not limited to:</p> <ul style="list-style-type: none"> - Continue to implement test and evaluation certification program for NC3 WS - Continue to expand existing communication spectrum and cyber assessment test bed utilizing a phased approach - Continue to perform NC3 physics, communication and networking analysis - Continue to develop and evolve technical framework of the NC3 WS to meet mission threats of 2030 and beyond - Continue to conduct WS analysis, develop WS capability model, plan WS updates, and implement WS updates - Continue to evaluate options for system-of-system performance improvements within constraints of NC3 WS strategic vision and roadmap - Continue to expand capabilities related to analysis, modeling, simulation, visualization and prototyping of emerging NC3 technologies. - Continue to develop and implement AF NC3 WS program and materiel management control processes including risk management, configuration management, change management, supply chain management, maintenance data collection and reporting and NC3 WS health assessment application, integrated scheduling, change management, and budgeting and cost controls, etc. - Continue to expand capabilities supporting NC3 weapon system mission worthiness, cyber and intel health and risk assessments, reporting and issue resolution. 				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions) - Continue to map out the NC3 WS supply chain and develop supply chain monitoring capability, supply chain supportability, and supply chain risk management - Continue to expand development of digital models across the NC program portfolio to measure and report capability impacts. - Continue to expand digital acquisition processes and methodologies across the NC portfolio of programs - Continue to develop and coordinate Operational Performance Criteria Document (OPCD) to support weapon system configuration element specs, test and evaluation, and assessment of weapon capabilities and limitations - Continue to establish authoritative intelligence community analysis for high-altitude electromagnetic pulse (HEMP) - Continue to improve integration and interoperability of the NC3 WS - Continue to conduct WS risk, issue, and opportunity analysis, and mitigation/corrective action/pursuit plan development - Support the NC3 baseline integration into the Sentinel Weapon System Program, to include new equipment purchases and the transfer of Minuteman III (MMIII) NC3 equipment to the Sentinel Weapon System. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Budget increase from FY2025 to FY2026 will support the NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program.		FY 2024	FY 2025	FY 2026
Accomplishments/Planned Programs Subtotals		22.222	21.864	40.066
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy The NC3 Integration acquisition strategy applies WS acquisition lifecycle principles across the system of systems AF NC3 WS. Key elements include configuration management, change management, supply chain supportability and risk management, maintenance data collection and reporting, risk management, experimentation, integration, test, verification, and certification, as well as modeling, simulation, visualization, gap and trade-space analyses for capabilities in sustainment, development, and for future capabilities. To conduct these essential activities a combination of competitively awarded contracts, classified contracts, and/or sole source contracts, will be used to augment AF organic capabilities with technical skill sets from Federally Funded Research and Development Centers (FFRDCs), research laboratories, University Affiliated Research Centers (UARCs), and industry Advisory and Assistance Services (A&AS) providers.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration				Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DMS FFRDC/UARC/A&AS	Various	Various : Various	-	19.450	Oct 2023	19.005	Oct 2024	30.521	Oct 2025	-		30.521	-	-	-
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program	Various	Various : Various	-	-		-		6.600	Dec 2025	-		6.600	-	-	-
Subtotal			-	19.450		19.005		37.121		-		37.121	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration Studies /Test Support	Various	Various : Various	-	0.050	Oct 2023	0.055	Oct 2024	0.057	Oct 2025	-		0.057	-	-	-
Subtotal			-	0.050		0.055		0.057		-		0.057	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 (Eng/Acq Spt/Travel/Supplies)	Various	Various : Various	-	2.722	Oct 2023	2.804	Oct 2024	2.888	Oct 2025	-		2.888	-	-	-
Subtotal			-	2.722		2.804		2.888		-		2.888	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	22.222		21.864		40.066		-		40.066	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration	Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
NC3 WS Integration																												
AF NC3 WS Mission Worthiness Assessment																												
NC3 mission worthiness, cyber and intel health and risk assessments and analysis																												
Enhance Implementation and Target Architecture through Development of NC3 Technologies																												
Implement AF NC3 WS Program and Materiel Management Control Process																												
AF NC3 WS Risk Management Program, Monthly Working Group, and Quarterly Board																												
AF NC3 Maintenance Data Reporting																												
NC3 Supply Chain Risk Analysis																												
NC3 Supply Chain Normalization and Supply Health Reporting																												
AF NC3 WS NC3 Configuration Boards Bi-monthly																												
Implement NC3 Enterprise Collaboration Tech Analysis Repository																												
NC3 Capability Improvement Program (NCIP) Biannually																												
AF NC3 WS Review Biannually																												
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration	Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NC3 WS Integration				
AF NC3 WS Mission Worthiness Assessment	1	2024	4	2030
NC3 mission worthiness, cyber and intel health and risk assessments and analysis	1	2024	4	2030
Enhance Implementation and Target Architecture through Development of NC3 Technologies	1	2024	4	2030
Implement AF NC3 WS Program and Materiel Management Control Process	1	2024	4	2030
AF NC3 WS Risk Management Program, Monthly Working Group, and Quarterly Board	1	2024	4	2030
AF NC3 Maintenance Data Reporting	1	2024	4	2030
NC3 Supply Chain Risk Analysis	1	2024	4	2030
NC3 Supply Chain Normalization and Supply Health Reporting	1	2024	4	2030
AF NC3 WS NC3 Configuration Boards Bi-monthly	1	2024	4	2030
Implement NC3 Enterprise Collaboration Tech Analysis Repository	1	2024	4	2030
NC3 Capability Improvement Program (NCIP) Biannually	1	2024	4	2030
AF NC3 WS Review Biannually	1	2024	4	2030
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program	3	2025	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	880.341	1,051.116	931.164	0.000	931.164	-	-	-	-	-	-
670008: Resilient Operation Capability Suite	0.000	0.000	0.000	16.450	0.000	16.450	-	-	-	-	-	-
670011: ARC-260	0.000	0.000	0.000	6.301	0.000	6.301	-	-	-	-	-	-
670132: B-52 Mission Employment Trainer	0.000	15.335	6.213	20.039	0.000	20.039	-	-	-	-	-	-
671803: B-52 AFMC Test Assets	0.000	1.503	1.552	1.509	0.000	1.509	-	-	-	-	-	-
671810: B-52 AEHF Integration	0.000	56.209	8.183	18.324	0.000	18.324	-	-	-	-	-	-
675039: B-52 System Improvements	0.000	47.024	36.530	16.450	0.000	16.450	-	-	-	-	-	-
675056: B-52 Radar Modernization Program (RMP)	0.000	195.288	179.765	163.169	0.000	163.169	-	-	-	-	-	-
675129: B-52 CERP	0.000	517.331	784.975	595.650	0.000	595.650	-	-	-	-	-	-
675160: B-52 Crypto Modernization	0.000	14.017	3.999	1.198	0.000	1.198	-	-	-	-	-	-
675165: B-52 Quad Crew	0.000	28.622	28.872	11.549	0.000	11.549	-	-	-	-	-	-
676039: B-52 Airspace Compliance	0.000	5.012	1.027	80.525	0.000	80.525	-	-	-	-	-	-
Note This program, BA 7, PE 0101113F, project , B-52 ROCS, is a new start. This program, BA 7, PE 0101113F, project , B-52 ARC-260, is a new start.												
A. Mission Description and Budget Item Justification The B-52 is a long-range bomber capable of delivering the widest variety of nuclear and conventional standoff and direct attack munitions in the Air Force. The Air Force plans to fly the B-52 to 2050. The B-52 modernization efforts are needed to perform current and future wartime missions and to ensure relevance, lethality and survivability. Additionally, modernization projects alleviate aircraft obsolescence issues due to Diminishing Manufacturing Sources and Material Shortages (DMSMS) while at the same time providing improved capabilities to the B-52 weapon system that require significant hardware and software development and testing.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101113F I B-52 Squadrons				
<p>B-52 funding also supports innovation activities including, but not limited to tech demonstrations, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion, and future acquisition programs.</p> <p>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 FY 2024 \$23.786M was expended for civilian pay expenses in this program element, and in FY 2025 \$26.783M is forecasted for civilian pay expenses in this program element.</p> <p>This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D</p> <p>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.</p>						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		950.815	1,045.570	895.365	0.000	895.365
Current President's Budget		880.341	1,051.116	931.164	0.000	931.164
Total Adjustments		-70.474	5.546	35.799	0.000	35.799
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-20.639	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		32.000	0.000			
• Congressional Directed Transfers		14.017	5.546			
• Reprogrammings		-67.622	0.000			
• SBIR/STTR Transfer		-28.230	0.000			
• Other Adjustments		0.000	0.000	35.799	0.000	35.799
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 675039: B-52 System Improvements						
Congressional Add: AFGSC Networking POD						
Congressional Add: AFGSC Innovation Hub						
Congressional Add Subtotals for Project: 675039						
Congressional Add Totals for all Projects						
		FY 2024	FY 2025			
		10.000	0.000			
		22.000	32.500			
		32.000	32.500			
		32.000	32.500			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101113F I B-52 Squadrons	
<p>Change Summary Explanation</p> <p>FY 2024 adjustment of 25.378 million;; \$10 million Networking Pod Congressional add; \$22 million Innovation Hub Congressional Add; \$14.017 million: Technical adjustment for Crypto MOD; \$67.822 million in reprogramming Actions; \$28.230 million in SBIR Reduction</p> <p>FY 2025 +\$5.5M: -\$6.954M Quad Crew carryover, -\$20.0M Transfer to Collaborative Combat Aircraft, +\$3.0M AFGSC Innovation Hub, +\$29.5M Modernization & Sustainment Tech Development</p> <p>FY 2026 increase of \$35.799 million addresses Resilient Op Capability Suite; ARC-260 and Hybrid SATCOM</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670008 / Resilient Operation Capability Suite			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
670008: Resilient Operation Capability Suite	0.000	0.000	0.000	16.450	0.000	16.450	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101113F, project , B-52 ROCS, is a new start.

A. Mission Description and Budget Item Justification

In response to urgent warfighter needs, the Command, Control and Communications Battle Management (C3BM) Resilient Operational Capability Suite (ROCS) program connects B-52 to the Department of the Air Force (DAF) Battle Management Network (BMN) to bring resilient and reliable Beyond Line-Of-Sight (BLOS) capability and an open computing environment. The program will install a rack on the B-52 aircraft with components needed to connect B-52 to the BMN system of systems enabling robust connectivity and data dissemination. The open computing environment will allow faster integration of other capabilities to meet mission requirements such as M-code compliant Global Positioning System (GPS), Digital High Frequency (HF) (ARC-260), Directional Line-Of-Sight waveforms, SATURN enhanced data rate (SEDR) waveforms and Alternate Position, Navigation, and Timing (PNT).

Costs include, but are not limited to, any analysis, documentation, and related expenses necessary to establish a program of record and support the B-52 weapon system. Additionally, other costs include Program Management Administration (PMA) and centralized support and initiatives for anticipated weapon system enhancements (to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, and total cost of ownership).

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for aircraft and associated training systems, Development Testing (DT), and safety of flight issues. Additionally, funds may accommodate PMA and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 FY24 \$0.0M was expended for civilian pay expenses in this program element, and in FY25 \$0.0M is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 ROCS	-	0.000	16.450

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 670008 / <i>Resilient Operation Capability Suite</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: In response to urgent warfighter needs, the ROCS program connects B-52 to the DAF Battle Management Network (BMN) brings resilient and reliable Beyond Line-Of-Sight (BLOS) capability and an open computing environment. The program will install a rack on the B-52 aircraft with components needed to connect B-52 to the BMN system of systems enabling robust connectivity and data dissemination. The open computing environment will allow faster integration of other capabilities to meet mission requirements such as M-code compliant GPS, Digital HF (ARC-260), Directional Line-Of-Sight waveforms, SATURN enhanced data rate (SEDR) waveforms and Alt PNT.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: Plan to complete an Acquisition Strategy Plan (ASP) and start program at MS B. Plan to award EMD contract and purchase test assets.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The increase from FY25 to FY26 is as a result of this program being an FY26 New Start.</p>			
Accomplishments/Planned Programs Subtotals		-	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The ROCS Program is an FY26 New Start Program. Program plans on completing an Acquisition Strategy Plan (ASP) and MS B by Q4FY25. Program plans to award EMD contract and purchase test assets in early FY26.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 670008 / Resilient Operation Capability Suite			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EMD	C/CPAF	Not specified. : TBD	-	-		-		16.450	Mar 2026	-		16.450	-	-	-
Subtotal			-	-		-		16.450		-		16.450	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		16.450		-		16.450	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons										Project (Number/Name) 670008 / Resilient Operation Capability Suite									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
ROCS																												
Milestone B																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 670008 / Resilient Operation Capability Suite

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ROCS				
Milestone B	1	2026	1	2026
EMD	1	2026	2	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670011 / ARC-260			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
670011: ARC-260	0.000	0.000	0.000	6.301	0.000	6.301	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101113F, project , B-52 ARC-260, is a new start.

A. Mission Description and Budget Item Justification

The B-52 ARC-260 program replaces a legacy HF radio with a modernized radio to ensure Beyond Line of Sight (BLOS) communications in a satellite denied environment.

The ARC-190 legacy radio is reaching obsolescence with an estimated End of Life (EOL) in 2029. The scope of the work includes, but is not limited to, the replacement of the existing ARC-190 system with an ARC-260 Remote Control Unit (RCU) and Receiver/Transmitter (R/T). The current program intent is to reuse the existing HF antenna/coupler and reuse Group A items to the maximum extent.

The ARC-260 will be integrated into the B-52 platform to improve HF voice communications and take full advantage of the HF Automatic Link Establishment (ALE) capabilities. The ARC-260 radio integration on the B-52 aircraft is essential to maintaining BLOS communications and improving mission capabilities well into the future.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/ Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 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.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 ARC-260	-	0.000	6.301
Description: Replaces a legacy HF radio that is reaching End of Life (EOL) with a modernized ARC-260 radio to ensure Beyond Line of Sight (BLOS) communications in a satellite denied environment and continue HF communication capabilities.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670011 / ARC-260				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
N/A												
FY 2026 Plans: Complete Acquisition Strategy for integrating the ARC-260 into the B-52 Platform and request MDA approval for ASP, ADM, release of the RFP, and entrance into the acquisition cycle at Milestone B.												
FY 2025 to FY 2026 Increase/Decrease Statement: The increase of \$6.320M from FY25 to FY26 is due to this program being a new start in FY26 and this being the first year of funding for the program to accomplish the Acquisition strategy and enter into Milestone B.												
Accomplishments/Planned Programs Subtotals										-	0.000	6.301
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 05 0101113F: B-52 SQUADRONS	-	-	-	-	-	-	-	-	-			
Remarks												
D. Acquisition Strategy												
The ARC-190 legacy radio is reaching obsolescence with an estimated End of Life (EOL) in 2029. The scope of the work includes, but is not limited to, the replacement of the existing ARC-190 system with an ARC-260 Remote Control Unit (RCU) and Receiver/Transmitter (R/T). The current program intent is to reuse the existing HF antenna/coupler and reuse Group A items to the maximum extent. The ARC-260 will be integrated into the B-52 platform to improve HF voice communications and take full advantage of the HF Automatic Link Establishment (ALE) capabilities. The program is currently in Pre-Milestone B activities focusing on 1067 approval. Upon approval to enter Milestone B, the program will begin the EMD phase and procure radios for testing on the aircraft. The ARC-260 radio integration on the B-52 aircraft is essential to maintaining BLOS communications and improving mission capabilities well into the future.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670011 / ARC-260					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	EMD : TBD	-	-		-		6.301	May 2026	-		6.301	-	-	-
Subtotal			-	-		-		6.301		-		6.301	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		6.301		-		6.301	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101113F / B-52 Squadrons					670011 / ARC-260			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
ARC-260																												
Milestone B																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 670011 / ARC-260

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ARC-260				
Milestone B	2	2026	2	2026
EMD	3	2026	1	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670132 / B-52 Mission Employment Trainer			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
670132: B-52 Mission Employment Trainer	0.000	15.335	6.213	20.039	0.000	20.039	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52 Mission Employment Trainer (MET) program is for the development of the B-52 Family of Systems (FoS) Trainers. The FoS Trainers includes, but is not limited to, new training devices and Systems Integration Labs (SIL) that will augment and eventually replace the existing B-52 legacy training systems and SIL that are antiquated, not concurrent with the B-52 aircraft, and cost-prohibitive for modernization or sustainment. The current B-52 trainers are non-concurrent and only account for 17% of training on the Training Task Lists specified in various course syllabi. In conjunction with the AFGSC A3/6 signed Future Training Concept, this new FoS approach will train Air Force personnel utilizing low, medium, and high-fidelity training devices. These training devices will leverage a common software architecture, include modularity and open mission systems, be rapidly reprogrammable and network capable, enable accelerated future upgrades, and support affordable sustainment. This FoS concept fulfills the future training needs of the formal training unit (FTU), combat units, and weapons school students spanning the continuum of learning. These new devices/trainers are of paramount importance because of their critical role to future B-52 combat capabilities that must advance through 2050.

Funds will be used to develop B-52 training devices that will provide an interactive and immersive environment to provide proficiency-based and initial qualification training for full-crew mission training and coordination, and related programmatic support. The MET FoS will reuse a virtualized version of the aircraft's Operational Flight Programs (OFP) and will execute on commercial-grade, off-the-shelf computational hardware. The virtualized OFP software will be developed to run on multiple training devices of varying physical fidelity. The MET devices will be rapidly reconfigurable to different aircraft configurations, and the non-motion simulator will be capable of worldwide deployment. From initial development, the open architecture lays the groundwork for a roadmap to aircraft concurrency, upgradability, and feature sets that can be added in a cost-effective manner, keeping pace with the speed of technology and future B-52 aircraft upgrades.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for training systems, Development Testing (DT)/ Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Funds may be used to purchase long-lead items following completion of Preliminary Design Review (PDR).

As MET Integration provides future communication growth to the B-52, emerging security/certification requirements (nuclear certification, cyber security, program protection, crypto modernization, etc.) as well as other aircraft upgrades may require studies and/or support for potential impact to MET. Funds may be used to conduct development and test activities.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025				
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons			Project (Number/Name) 670132 / B-52 Mission Employment Trainer					
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 0M was expended for civilian pay expenses in this program element, and in FY 2025 0M is forecast for civilian pay expenses in this program element.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
Title: Mission Employment Trainer							15.335	6.213	20.039		
Description: Mission Employment Trainer (MET) is a virtual flight simulator that provides necessary full-crew training for various environments and conditions. The MET will include a modern, advanced Operational Flight Program that is rapidly reprogrammable and support simulated mission tasking.											
FY 2025 Plans: The Mission Employment Trainer project will continue development of software and hardware activities.											
FY 2026 Plans: The Mission Employment Trainer program will begin initial increase of capability in the exeisting training devices, continue virtualization of the OFPs and leverage forward compatible software to develop the MET FoS. Begin instrumentation of aircraft to obtain flight systems data to support Level D equivalency.											
FY 2025 to FY 2026 Increase/Decrease Statement: The increase in FY 2026 is driven by the software update to incorporate the Radar Modernization Modification into the Development device											
Accomplishments/Planned Programs Subtotals							15.335	6.213	20.039		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 B05200: B-52	-	-	0.000	-	0.000	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The Mission Employment Trainer program is leveraging a small business to deliver initial capability to the using command. The contracts will support hardware/software development and incorporation of virtualized OFPs. As funding permits, FoS will work to implement the High Fidelity (Motion) Mission Employment Trainer as early as FY26.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 670132 / B-52 Mission Employment Trainer			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR Phase III/TSA IV Fair Opp	TBD	TBD : TBD	-	15.335	Oct 2025	6.213	Apr 2025	20.039	Apr 2026	-		20.039	-	-	-
Subtotal			-	15.335		6.213		20.039		-		20.039	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	15.335		6.213		20.039		-		20.039	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)	
3600 / 7					PE 0101113F / B-52 Squadrons					670132 / B-52 Mission Employment Trainer	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Employment Trainer																												
Medium Fidelity (Non-Motion Trainer)																												
MFT: Software Development																												
MFT: Hardware Development																												
MFT: H/W and S/W Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 670132 / B-52 Mission Employment Trainer	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Mission Employment Trainer				
Medium Fidelity (Non-Motion Trainer)	2	2025	2	2027
MFT: Software Development	2	2025	2	2026
MFT: Hardware Development	3	2025	4	2026
MFT: H/W and S/W Integration	1	2026	2	2027

Note

MFT Medium Fidelity Trainer
HFT High Fidelity Trainer

In all future docs, the Medium Fidelity Trainer will be called Non-Motion Training Device, and the High Fidelity Trainer will be called Motion Training Device due to a contractual issue. As funding permits, FoS will work to implement the High Fidelity (Motion) Mission Employment Trainer as early as FY26.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671803 / B-52 AFMC Test Assets			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
671803: B-52 AFMC Test Assets	0.000	1.503	1.552	1.509	0.000	1.509	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52 AFMC Test Assets project will provide funding for the test aircraft, manpower, and facilities at the Air Force Test Center located at Edwards AFB, California. The project will support the development testing and Bomber Modular Data Acquisition System (BMDAS) integration on B-52 test aircraft. The project can support Programmed Depot Maintenance (PDM) costs supporting test aircraft modifications occurring at Tinker AFB, OK.

Costs include, but are not limited to, any analysis, documentation, and related expenses necessary to establish a program of record and support the B-52 weapon system. Additionally, other costs include Program Management Administration (PMA) and centralized support and initiatives for anticipated weapon system enhancements (to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, and total cost of ownership).

Funds may be used to address requirements including, but not limited to, emerging and short notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT), and safety of flight issues. Additionally, funds may accommodate PMA and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 FY 2024 \$0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0M is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 AFMC Test Aircraft Asset Support	1.503	1.552	1.509
Description: B-52 Test Support provides funding for the test aircraft, manpower, Bomber Modular Data Acquisition System (BMDAS), and facilities at the Air Force Test Center, Edwards AFB. This will support the developmental testing and sustainment needs of the B-52.			
FY 2025 Plans: Will continue to provide funding for the test aircraft, manpower, BMDAS, and facilities at the Air Force Test Center, Edwards AFB. This will support the developmental testing, facility, and sustainment needs of the B-52.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons		Project (Number/Name) 671803 / B-52 AFMC Test Assets
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Will continue to provide funding for the test aircraft, manpower, BMDAS, and facilities at the Air Force Test Center, Edwards AFB. This will support the developmental testing, facility, and sustainment needs of the B-52.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased from FY25 to FY26 due to a slight decrease in the MX 412 manpower requirement				
Accomplishments/Planned Programs Subtotals		1.503	1.552	1.509
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy Funding sent to Edwards AFB via MIPR and Project Orders for the test aircraft, manpower, BMDAS and facilities at the Air Force Test Center located at Edwards AFB, California.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671803 / B-52 AFMC Test Assets					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFMC Test Aircraft Support	Various	AFTC : Edwards AFB, CA	-	1.503	Jan 2024	1.552	Jan 2025	1.509	Jan 2026	-		1.509	-	-	-
Subtotal			-	1.503		1.552		1.509		-		1.509	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.503		1.552		1.509		-		1.509	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101113F / B-52 Squadrons					671803 / B-52 AFMC Test Assets			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
AFMC Test Aircraft Support - 0036																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 671803 / B-52 AFMC Test Assets

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
AFMC Test Aircraft Support - 0036				
Test Support	1	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671810 / B-52 AEHF Integration			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
671810: B-52 AEHF Integration	0.000	56.209	8.183	18.324	0.000	18.324	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52 Advanced Extremely High Frequency (AEHF) Integration satellite communications (SATCOM) system provides a survivable, low probability of intercept/detection, high bandwidth system that ensures secure intra/inter-flight and two-way command and control communications in the modern anti-access/aerial denial battle space. This communications upgrade replaces the Military Strategic and Tactical Relay (MILSTAR) Ultra High Frequency (UHF) SATCOM capability (MILSTAR is nearing system end of life) on the B-52. The AEHF Integration effort will integrate the Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Force Element Terminal (FET) onto the B-52 to provide two-way satellite communication for the B-52.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/ Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

As AEHF Integration provides future communication growth to the B-52, emerging security/certification requirements (nuclear certification, cyber security, program protection, crypto modernization, etc.) as well as other aircraft upgrades may require studies and/or support for potential impact to AEHF. Funds will be used to conduct development and test activities.

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 FY 2024 \$2.147M was expended for civilian pay expenses in this program element, and in FY 2025 \$2.983M is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 AEHF Integration	56.209	8.183	18.324
Description: The B-52 Advance Extremely High Frequency (AEHF) Integration SATCOM system provides a survivable, low probability of intercept/detection, high bandwidth system that ensures secure intra/inter-flight and two-way command and control communications in the modern anti-access/aerial denial battle space. This communications upgrade replaces the Military Strategic Tactical Relay (MILSTAR) and its Ultra High Frequency (UHF) SATCOM capability (MILSTAR is nearing system end of life) on the B-52. The AEHF Integration effort will integrate the FAB-T FET onto the B-52 to provide two-way satellite communication for the B-52.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671810 / B-52 AEHF Integration				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY 2025 Plans: Conduct requests for information, requests for white papers, and requests for proposal for a competitive prototype Other Transaction Authority (OTA) to study risk reduction opportunities for FAB-T FET integration and prototype the process for conducting Engineering and Manufacturing Development for B-52 AEHF Integration.												
FY 2026 Plans: Award competitive prototype OTA to study risk reduction opportunities for FAB-T integration and prototype the process for conducting Engineering and Manufacturing Development for B-52 AEHF Integration. 16.5M was inadvertently moved to BPAC 675039 but will be realigned back to this BPAC in the year of execution. The current dollars and the dollars that are in 675039 will total \$34.821M to be executed in this BPAC in FY26.												
FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to awarding risk reduction OTA.												
Accomplishments/Planned Programs Subtotals										56.209	8.183	18.324
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 05 B05200: B-52	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Milestone Decision Authority (MDA) for B-52 AEHF Integration is the Air Force Program Executive Officer (AFPEO) for Nuclear Command, Control, and Communications (NC3). The program will utilize the Consortium contract number FA8604-19-9-4050 to award Risk Reduction and Trades studies, Program Planning activities, and the EMD planning efforts to a vendor competitively selected in the SOSSEC contractor pool.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671810 / B-52 AEHF Integration					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EMD Proposal Prep	SS/FFP	The Boeing Company : Oklahoma City, OK	-	2.523	Jan 2025	-		-		-		-	-	-	-
Risk Reduction OTA	C/FFP	SOSSEC : Salem, NH	-	-		-		7.844	Nov 2025	-		7.844	-	-	-
Subtotal			-	2.523		-		7.844		-		7.844	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	2.147	Oct 2023	0.804	Oct 2024	2.456	Oct 2025	-		2.456	-	-	-
Taxes	Various	Not specified. : TBD	-	42.555	Sep 2024	-		-		-		-	-	-	-
Other Support	Various	Not specified. : TBD	-	-		2.810	Sep 2025	4.024	Sep 2026	-		4.024	-	-	-
Subtotal			-	44.702		3.614		6.480		-		6.480	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 (A&AS, Travel, centralized sprt & OGC)	Various	Not specified. : TBD	-	8.984	Dec 2023	4.569	Dec 2024	4.000	Dec 2025	-		4.000	-	-	-
Subtotal			-	8.984		4.569		4.000		-		4.000	-	-	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	56.209		8.183		18.324		-		18.324	-	-	N/A
Remarks In FY26, \$16.5M was inadvertently moved to BPAC 675039 but will be realigned back to this BPAC in the year of execution. That \$16.5M will increase the SOSSEC contract to \$20M and PMA will increase to \$8.344M															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 671810 / B-52 AEHF Integration	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
B-52 AEHF Integration																												
Risk Reduction																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 671810 / B-52 AEHF Integration

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
B-52 AEHF Integration				
Risk Reduction	1	2026	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675039 / B-52 System Improvements			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675039: B-52 System Improvements	0.000	47.024	36.530	16.450	0.000	16.450	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

B-52 System Improvements is a comprehensive project to facilitate future capabilities and ensure the B-52's viability in performing current and future wartime missions. The scope of work may include, but not limited to, the development of an Analysis of Alternative (AoA), studies and analyses, a Capability Development Document (CDD), and/or any other analyses or documentation necessary to establish a Program of Record (POR). Additionally, this project may include airborne integration experiments or demonstrations of emerging technologies. Support of the platform integration efforts are necessary to identify and resolve challenges associated with integrating multiple programs and activities planned for the B-52 fleet.

Costs include any analysis, documentation, and related expenses necessary to establish a POR and support the B-52 weapon system. Additionally, other costs include, but are not limited to Program Management Administration (PMA), civilian pay expenses, rapid technology insertion, centralized support and initiatives for anticipated weapon system enhancements (to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, and total cost of ownership), emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/ Operational Testing (OT), safety of flight issues and to fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

Systems Improvement is permitted to fund software development, test, and modernization efforts, updates to Operational Flight Programs (OFPs), and software merges to integrate and operationally implement new capabilities on the B-52. These capabilities include hardware and software updates in the areas of communications, avionics, advanced weapons and targeting pods. Updates to System Integration Laboratories (SILs) are required to integrate software into the various hardware, validate user requirements, and review system safety and security prior to release to flight test. The labs require continual upgrades to increase development and test efficiencies and to remain in compliance with all security and cyber 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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 \$0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0M is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 Systems Improvements	0.150	0.158	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: Initiate Analysis of Alternatives, modeling, simulation, testing, and demonstration, including but not limited to: Studies of existing and planned avionics, communications/navigation, electrical, weapons, flight, and nuclear-related aircraft systems and subsystems to support the future viability of the B-52 fleet.</p> <p>FY 2025 Plans: Will continue Analysis of Alternatives, modeling, simulation, testing, and demonstration, including but not limited to: Studies of existing and planned avionics, communications/navigation, electrical, weapons, flight, and nuclear-related aircraft systems and subsystems to support the future viability of the B-52 fleet.</p> <p>FY 2026 Plans: System Improvements efforts conclude in FY 2025. No FY 2026 funding allocated to this effort.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The decrease in FY 2026 is due to the funding for this effort ending</p>				
<p>Title: B-52 AEHF Integration</p> <p>Description: \$16.450M was inadvertently moved from BPAC 671810 B-52 AEHF Integration, please see BPAC 671810 for information on this effort.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: \$16.450M was inadvertently moved from BPAC 671810 B-52 AEHF Integration, please see BPAC 671810 for information on this effort.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: \$16.450M was inadvertently moved from BPAC 671810 B-52 AEHF Integration, please see BPAC 671810 for information on this effort.</p>		0.000	0.000	16.450
<p>Title: Advanced Concept Demonstration</p> <p>Description: Effort supports a classified Proof of Concept demonstration on the B-52.</p> <p>FY 2025 Plans: Continued support a proof of concept demonstration on the B-52 for a new classified initiative.</p> <p>FY 2026 Plans:</p>		14.874	3.872	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675039 / <i>B-52 System Improvements</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Advanced Concepts Demonstration efforts conclude in FY 2025. No FY 2026 funding allocated to this effort.			
FY 2025 to FY 2026 Increase/Decrease Statement: The decrease in FY 2026 is due to the funding for this effort ending			
Accomplishments/Planned Programs Subtotals		15.024	4.030
		FY 2024	FY 2025
Congressional Add: AFGSC Networking POD		10.000	0.000
FY 2024 Accomplishments: Continue providing resources and assistance to Agile Pod development initiatives.			
FY 2025 Plans: N/A			
Congressional Add: AFGSC Innovation Hub		22.000	32.500
FY 2024 Accomplishments: Continue to support development initiatives and efforts that include Agile Pods, Beyond Line of Sight communications, 3D Fuel System Model, and Fuel Additive Studies			
FY 2025 Plans: N/A			
Congressional Adds Subtotals		32.000	32.500
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
B-52 System Improvements is a comprehensive project to facilitate future capabilities and ensure the B-52's viability in performing current and future wartime missions.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Improvements Studies and Analysis	SS/ Various	The Boeing Company, 559 SMXS/MXDPBA : Oklahoma City, OK	-	0.100	Jan 2024	0.100	Jan 2025	-		-		-	-	-	-
AFGSC Innovation Hub	C/CPAF	Radiance, SBCC, Outerlink : Barksdale, LA	-	22.000	Sep 2024	32.500	Sep 2025	-		-		-	-	-	-
AFGSC Networking POD	TBD	TBD : Barksdale, LA	-	10.000	Sep 2024	-		-		-		-	-	-	-
Proof of Concept Demonstration	TBD	Not Specified: TBD : Tinker, OK	-	14.874	Jul 2024	3.872	Jan 2025	-		-		-	-	-	-
AEHF Risk Reduction OTA	C/FFP	SOSSEC : Salem, NH	-	-		0.000	Nov 2025	12.156	Nov 2025	-		12.156	-	-	-
Subtotal			-	46.974		36.472		12.156		-		12.156	-	-	N/A

Remarks

The AEHF SOSSEC contract will execute out of BPAC 671810 B-52 AEHF Integration in the year of execution.

Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B-52 Centralized Support, Program Management Administration, TDY, A&AS Contractor Support - 675039	Various	TBD : OK	-	0.040	Jan 2024	0.048	Jan 2025	-		-		-	-	-	-
B-52 Centralized Support, Travel - 675039	Various	Various : TBD	-	0.010	Jan 2024	0.010	Jan 2025	-		-		-	-	-	-
AEHF Program Office Support (A&AS, travel, Centralized sprt & OGC)	Various	Not specified. : TBD	-	-		-		4.294	Dec 2025	-		4.294	-	-	-
Subtotal			-	0.050		0.058		4.294		-		4.294	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675039 / B-52 System Improvements					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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															
The AEHF Program Office Support (A&AS, travel, Centralized sprt & OGC) is going to be executed out of BPAC 671810 B-52 AEHF Integration during the year of exection.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	47.024		36.530		16.450		-		16.450	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons			Project (Number/Name) 675039 / B-52 System Improvements				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Systems Improvements																												
System Improvements Studies and Analysis, etc.																												
AFGSC Innovation Hub																												
Industry Collaboration Efforts																												
AFGSC Networking POD																												
Industry Collaboration Efforts																												
Proof of Concept Demonstration																												
Proof of Concept																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Systems Improvements				
System Improvements Studies and Analysis, etc.	1	2024	4	2030
AFGSC Innovation Hub				
Industry Collaboration Efforts	4	2024	2	2025
AFGSC Networking POD				
Industry Collaboration Efforts	4	2024	2	2025
Proof of Concept Demonstration				
Proof of Concept	1	2024	4	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675056: B-52 Radar Modernization Program (RMP)	0.000	195.288	179.765	163.169	0.000	163.169	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52 Radar Modernization Program (RMP) supports nuclear and conventional operations by replacing the current APQ-166 radar on the B-52 aircraft with the AN/APQ-188 radar. The APQ-166 system is increasingly difficult to sustain due to Diminishing Manufacturing Sources, obsolescent technologies, and the current failure rate places long-duration missions at risk. This modernization program will encompass the radar antenna array, 12 individual Line Replaceable Units (LRU), radar control panel, and Group A allocation that comprise the entire radar system. RMP will take advantage of advances in technology and on-going development efforts to acquire, to the maximum extent possible, previously developed radar systems and integrate them into the B-52. The use of new technology will increase both the overall reliability of the radar system and the capabilities for new missions. RMP will allow the operational command (AF Global Strike Command) to fully utilize the capabilities of the B-52 aircraft to employ an array of nuclear and conventional weapons and perform mission-essential navigation and weather avoidance functions. AF Global Strike Command approved the removal of the radome from the baseline program for considerations of cost control and satisfactory legacy radome performance. In addition, applicable training devices for the new radar subsystem must also be developed, modified and/or upgraded in conjunction with the aircraft modifications. This modification includes the installation of Engineering and Manufacturing Development (EMD) kits on two B-52 test aircraft to support Developmental/Operational Test and Evaluation (DT/OT).

This program upgrades one B-52 Software Integration Lab (SIL) with radar functionality and builds a new Radar Development Lab and a new Radar SIL. Additionally, this program will develop a desktop training tool. As the RMP upgrade brings additional capability to the B-52, funds may be used to address emerging security/certification requirements (nuclear certification, cyber security, program protection, simulator common standards, etc.) in addition to increased radar integration (advanced targeting pod, Communication Technology (CONNECT), Tactical Data Link (TDL), offensive avionics system, Crypto modernization, mission planning, Modular Open System Architecture (MOSA) considerations, crew vehicle interfaces, B-52 Software Block (BSB), etc.)

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, DT/OT, safety of flight issues, and associated components in the RMP configuration baseline. DMSMS efforts may include removal of end-of-life/obsolete software/hardware within the weapons system, simulators systems, and MOSA implementation. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 FY 2024 \$5.911M was expended for civilian pay expenses in this program element, and in FY 2025 \$4.924M is forecast for civilian pay expenses in this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Title: Radar Modernization Program (RMP)										195.288	179.765	163.169
Description: Supports nuclear and conventional operations by replacing the current APQ-166 radar on the B-52 aircraft. Development and production of new systems will replace the legacy equipment and be installed on all 76 B-52 aircraft.												
FY 2025 Plans: Will continue test and evaluation of Engineering and Manufacturing Development (EMD) units; continue Agile and incremental software code development for version 0.5; continue hardware/software tests; continue desktop training tool development; complete modification and ground test and take delivery of the first aircraft.												
FY 2026 Plans: Will continue Agile and incremental software code development for version 1.0; continue hardware/software integration Software Integration Lab tests; continue desktop training tool development; complete second test aircraft modernization, functional checkouts, and delivery; complete ground test and flight testing on software version 0.5; complete ground testing and start flight testing on software version 1.0.												
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreases due to requiring a lower level of resources as efforts focus on the transition to supporting ground/flight test events.												
Accomplishments/Planned Programs Subtotals										195.288	179.765	163.169
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 05 LineItem B05200: BP11 Production	0.000	0.000	131.164	-	131.164	-	-	-	-	-	-	
• APAF 07 Line Item B05200: Post Production Support	0.000	0.000	0.111	-	0.111	-	-	-	-	-	-	
• APAF 06 000999: Initial Spares	0.000	0.000	18.160	-	18.160	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Milestone Decision Authority approved the B-52 RMP Acquisition Strategy (AS) on 13 March 2018. Per the AS, the Original Equipment Manufacturer completed radar and other supplier selections in June 2019. The team completed System Preliminary Design Review in October 2020, Milestone B in June 2021, awarded the EMD contract in June 2021, and conducted System Critical Design Review in February 2022.												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)
<p>RMP investigated potential costs reduction levers such as, but not limited to, advanced procurement, multi-year contracts and economic order quantities discounts to avoid costs increases and to minimize the Nunn-McCurdy breach from Critical to Significant with Margin. The Service Acquisition Executive, on 27 May 2025, approved an Acquisition Strategy (AS) to purchase Lot 1 and Lot 2 in Nov 2026 to obtain economic order quantity discounts to avoid cost increases.</p> <p>The Delta Acquisition Strategy Panel Acquisition Decision Memo dated 30 May 2025 updated the AS to combine both previous Milestone C decisions points into a single Milestone C decision. This updated strategy will allow combined LRIP Lot 1 and Lot 2 to obtain economic order quantity savings. It further approves the remaining program production strategy.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/CPFF	The Boeing Company : Oklahoma City, OK	-	2.694	Jan 2024	3.822	Nov 2024	-		-		-	-	-	-
Engineering & Manufacturing Development (EMD) Phase	SS/CPIF	The Boeing Company : Oklahoma City, OK	-	170.719	Nov 2023	161.066	Nov 2024	140.550	Nov 2025	-		140.550	-	-	-
Subtotal			-	173.413		164.888		140.550		-		140.550	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
557th Software Development	PO	557th SWES : Tinker AFB, OK	-	1.980	Mar 2024	2.035	Mar 2025	2.439	Nov 2025	-		2.439	-	-	-
Direct Cite Civilian Pay	Various	AFLCMC/FZA : WPAFB, OH	-	5.122	Oct 2023	4.924	Oct 2024	6.543	Oct 2025	-		6.543	-	-	-
Subtotal			-	7.102		6.959		8.982		-		8.982	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Edwards AFTC	PO	Edwards AFB : Edwards AFB, CA	-	6.605	Jan 2024	2.415	May 2025	7.168	Jan 2026	-		7.168	-	-	-
AFOTEC Support	PO	AFOTEC : Kirtland AFB, NM	-	0.921	Mar 2024	0.975	Mar 2025	1.100	Mar 2026	-		1.100	-	-	-
47th CTS Cyber Test	PO	47th CTS : Eglin AFB, FL	-	0.070	Dec 2023	0.040	Dec 2024	0.549	Dec 2025	-		0.549	-	-	-
Subtotal			-	7.596		3.430		8.817		-		8.817	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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, A&AS Support, Centralized Support, TDY, OGC	Various	Various : Various	-	7.177	Dec 2023	4.488	Dec 2024	4.820	Dec 2025	-		4.820	-	-	-
Subtotal			-	7.177		4.488		4.820		-		4.820	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	195.288		179.765		163.169		-		163.169	-	-	N/A
Remarks															
The FY26 decrease in the Engineering and Manufacturing Development line is largely driven by the completion and delivery of the program's first test aircraft in FY25 and the second aircraft in early FY26. The FY26 increase in the Edwards AFTC line is primarily driven by the initiation of RMP Developmental Test Flight Test activities at Edwards AFB, including operations of the test aircraft, support aircraft, data collection, analysis, and reporting. Activities will continue through Operational Test in FY28.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025									
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons					Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Modernization Program																												
EMD																												
Developmental Flight Testing																												
MS C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Radar Modernization Program</i>				
EMD	1	2024	4	2028
Developmental Flight Testing	3	2026	2	2028
MS C	4	2026	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675129: B-52 CERP	0.000	517.331	784.975	595.650	0.000	595.650	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52J Commercial Engine Replacement Program (CERP) supports nuclear and conventional operations by replacing the current TF33-PW-103 engine on the B-52H aircraft. The TF33-PW-103 engine is experiencing significant supportability challenges due to diminished manufacturing sources and obsolescent technologies. This program will replace the current TF33-PW-103 engine with new military derivative commercial Rolls-Royce F130 engines of similar size, weight, and thrust characteristics. Along with the new engines, CERP will replace associated subsystems, such as engine struts and nacelles, the electrical power generation system, and cockpit displays. The development, production and installation of new engines and related subsystems will replace the legacy equipment on all 76 B-52H aircraft. Any B-52H aircraft modified with the new commercial engines and associated subsystems will be designated as B-52J. B-52J CERP is taking advantage of advances in technology and on-going development efforts to acquire engines and integrate them into the B-52. The new technology will increase both the overall reliability and maintainability of the propulsion system and produce additional electrical power generation capabilities for emerging requirements. The B-52J CERP will allow the operational command (Air Force Global Strike Command) to fully utilize the capabilities of the B-52 aircraft to employ an array of nuclear and conventional weapons while increasing fuel efficiency and extending the range/loiter capabilities of the aircraft. In addition, applicable training devices must be developed, modified and/or upgraded in conjunction with the aircraft modifications. As B-52J CERP brings additional capability to the B-52, emerging security/certification requirements (nuclear hardening, cyber security, program protection, etc.) are being addressed.

Several concurrent aircraft upgrades during the B-52J CERP necessitate temporary facilities or facility upgrades/modifications. In addition, the upgrades may necessitate studies be performed to determine optimal engine installation and deployment options. Additionally, funds will be used to procure long lead material and installation for test aircraft to include engines and all required associated components in the B-52J CERP configuration baseline (i.e. RMP A & B EMD kits).

Cost includes any other analysis or documentation and related expenses necessary to establish a program of record and support the B-52 Weapon System. Cost includes Program Management Administration (PMA) costs, centralized support, and initiatives for digital engineering and anticipated weapon system enhancements, to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, and total cost of ownership.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate PMA and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 2024 \$13.394M was expended for civilian pay expenses in this program element, and in FY 2025 \$16.276M is forecasted for civilian pay expenses in this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP			
The FY 2026 request was reduced by \$[4.21] million for civilian personnel to optimize the workforce in compliance with Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative."											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2024	FY 2025	FY 2026	
Title: B-52 CERP								517.331	784.975	595.650	
Description: This program will replace the current TF33-PW-103 engine with new military derivative commercial Rolls-Royce F130 engines of similar size, weight, and thrust characteristics. Along with the new engines, CERP will replace associated subsystems, such as engine struts and nacelles, the electrical power generation system, and cockpit displays. The development, production and installation of new engines and related subsystems will replace the legacy equipment on all 76 B-52H aircraft.											
FY 2025 Plans: Conduct multiple component and subsystem critical design reviews (CDRs). Conduct F130 engine performance testing and F130 engine CDR. Build-up and check-out Electrical, Software, Propulsion, and Hydraulic Labs. Continue ordering hardware for two test aircraft on material contracts. Complete MS B and all activities required for EMD contract award.											
FY 2026 Plans: Complete all subsystem Critical Design Reviews (CDR) culminating in System CDR. Begin execution of the EMD contract. Continue ordering hardware for two test aircraft on material contracts and deliver necessary components to modify the aircraft. Stand up the test aircraft modification facility. Continue F130 engine integration testing.											
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decrease due to transition from design to aircraft modification. Transition involves reassigning personnel to support EMD contract and prepare for flight test.											
Accomplishments/Planned Programs Subtotals								517.331	784.975	595.650	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 0101113F: B-52 SQUADRONS	-	2.104	2.100	-	2.100	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Rapid Virtual Prototyping, utilizing the Middle Tier of Acquisition pathway, delivered a virtual System Prototype and enabled the program to transition to the Major Capability Acquisition pathway in December 2023. Under the EMD contract, B-52 CERP will build test hardware and modify two test aircraft, then conduct ground and											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675129 / B-52 CERP
<p>flight testing to verify system requirements are met. After Milestone C, B-52 CERP will enter the Production and Deployment phase. This strategy is being accomplished by two prime contractors.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Prototyping Phase 1	SS/CPIF	The Boeing Co : Oklahoma City, OK	-	149.959	Dec 2023	413.150	Oct 2024	212.520	Nov 2025	-		212.520	-	-	-
Engine Contract	C/FFP	Rolls Royce : Indianapolis, IN	-	130.168	Dec 2023	95.796	Dec 2024	34.052	Nov 2025	-		34.052	-	-	-
Rapid Prototyping Material 0	SS/CPFF	The Boeing Co : Oklahoma City, OK	-	124.000	Dec 2023	126.562	Dec 2024	56.432	Nov 2025	-		56.432	-	-	-
Rapid Prototyping Material 1	SS/CPFF	The Boeing Co : Oklahoma City, OK	-	58.721	Feb 2024	74.264	Jan 2025	66.397	Nov 2025	-		66.397	-	-	-
Engineering and Manufacturing Development	SS/CPIF	The Boeing Co : Oklahoma City, OK	-	-		9.550	Aug 2025	160.466	Nov 2025	-		160.466	-	-	-
Subtotal			-	462.848		719.322		529.867		-		529.867	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 for Civilian Personnel	Allot	AFLCMC/FZA : Various	-	13.394	Oct 2023	16.276	Oct 2024	20.118	Oct 2025	-		20.118	-	-	-
Documentation - Technical Support	MIPR	Booz Allen Hamilton : Oklahoma City, OK	-	6.955	Jan 2024	6.075	Dec 2024	7.866	Dec 2025	-		7.866	-	-	-
Organic Software Support	Various	Various : Various	-	1.100	Feb 2024	0.330	May 2025	0.631	Dec 2025	-		0.631	-	-	-
Subtotal			-	21.449		22.681		28.615		-		28.615	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Edwards AFTC	PO	412TW : Edwards AFB, CA	-	17.309	Mar 2024	13.949	Jan 2025	17.537	Nov 2025	-		17.537	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AEDC	PO	AEDC/Flight Systems CTF : Arnold AFB, TN	-	0.587	Apr 2024	6.609	Mar 2025	0.038	Nov 2025	-		0.038	-	-	-
AFOTEC	MIPR	AFOTEC : Edwards AFB, CA	-	0.550	May 2024	0.468	Jan 2025	0.815	Nov 2025	-		0.815	-	-	-
Other Test Support	Various	Various : Various	-	0.964	Jun 2024	0.339	Jan 2025	0.722	Nov 2025	-		0.722	-	-	-
Subtotal			-	19.410		21.365		19.112		-		19.112	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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, A&AS Support, Centralized Support, TDY, OGC	Various	Various : Various	-	13.624	Feb 2024	21.607	Dec 2024	18.056	Nov 2025	-		18.056	-	-	-
Subtotal			-	13.624		21.607		18.056		-		18.056	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	517.331		784.975		595.650		-		595.650	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0101113F / B-52 Squadrons					675129 / B-52 CERP				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
B-52 CERP																												
Rapid Prototype Phase 1 Contract																												
Rapid Prototype Material 0 Contract																												
Rapid Prototype Material 1 Contract																												
Engine Contract																												
Milestone B																												
Critical Design Review																												
Engineering and Manufacturing Development Contract																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675129 / B-52 CERP	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
B-52 CERP				
Rapid Prototype Phase 1 Contract	1	2024	1	2029
Rapid Prototype Material 0 Contract	1	2024	4	2030
Rapid Prototype Material 1 Contract	1	2024	4	2030
Engine Contract	1	2024	4	2030
Milestone B	3	2025	4	2025
Critical Design Review	3	2026	3	2026
Engineering and Manufacturing Development Contract	1	2026	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675160: B-52 Crypto Modernization	0.000	14.017	3.999	1.198	0.000	1.198	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

B-52 Crypto Modernization upgrades aircraft with Mobile User Objective System (MUOS) capable ARC-210 radio systems that prevent loss of beyond line of sight (BLOS) voice and data communications capability. The program will upgrade the B-52 aircraft with secure voice and data communications via SATURN (Second Generation Anti-Jam Technical UHF Radio for NATO) network, MUOS (Mobile User Objective System) Satellite constellation, and DAMA-IW (Demand Assigned Multiple Access - Integrated Waveform) SATCOM connection. These updates are required by the National Security Agency (NSA), DoD mandates, and directives.

Funds may be used to address requirements including, but not limited to, emerging and short-notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/ Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 FY 2024 \$0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0M is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 Crypto Modernization	14.017	3.999	1.198
Description: Upgrades aircraft with secure ARC-210 radio systems and associated hardware/software to prevent loss of beyond line of sight (BLOS) voice and data communications capability.			
FY 2025 Plans: Continue EMD; planned completion of Flight Test of A/C 1, Val/Ver, and FCA/PCA activities. Complete MS C and all activities associated with Production RFP release.			
FY 2026 Plans: Completion of EMD and Software Integration.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
The decrease in FY 2026 is driven by EMD completing in FY 2026 and the program shifting over to production dollars											
Accomplishments/Planned Programs Subtotals									14.017	3.999	1.198
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line item B05200: BP11 Production	0.064	8.548	24.277	-	24.277	-	-	-	-	-	-
• APAF 06 000999: Initial Spares/Repair Parts	1.214	0.570	1.280	-	1.280	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
Per the National Security Agency mandate, the B-52 Crypto Modernization program will upgrade the aircraft with secure radio devices (ARC-210 Gen 6) that meet the requirement for secure beyond line of sight voice and data communications. The program is currently in the Engineering Manufacturing and Development (EMD) phase and forecasted to complete EMD by FY2026. During the EMD phase, the program will procure radio systems that meet the NSA timeline while furthering aircraft integration supporting Mobile User Objective System. Milestone C is estimated for 4Q FY25.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Crypto Modernization: Development and Integration Activities	SS/CPIF	OEM : Oklahoma City, OK	-	11.004	Sep 2024	3.954	Sep 2025	1.058	Oct 2026	-		1.058	-	-	-
Subtotal			-	11.004		3.954		1.058		-		1.058	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : TBD	-	0.578	Aug 2024	-		0.095	Jun 2026	-		0.095	-	-	-
Subtotal			-	0.578		-		0.095		-		0.095	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : TBD	-	2.390	Aug 2024	-		-		-		-	-	-	-
Subtotal			-	2.390		-		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Not specified. : TBD	-	0.045	Sep 2024	0.045	Mar 2025	0.045	Mar 2026	-		0.045	-	-	-
Subtotal			-	0.045		0.045		0.045		-		0.045	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	14.017		3.999		1.198		-		1.198	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0101113F / B-52 Squadrons			675160 / B-52 Crypto Modernization				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Crypto Modernization																												
EMD																												
IQT/FQT																												
DT/OT																												
MS C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675160 / B-52 Crypto Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Crypto Modernization				
EMD	1	2024	4	2026
IQT/FQT	1	2024	1	2024
DT/OT	3	2024	4	2025
MS C	4	2025	4	2025

Note
Actual date for IQT/FQT Q3 2022 through Q1 2023

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675165: B-52 Quad Crew	0.000	28.622	28.872	11.549	0.000	11.549	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Quad Crew program reduces B-52 crew size from five to four personnel. The program will transition controls and displays for the electronic warfare system from the Electronic Warfare Officer (EWO) station to the B-52 Navigator (NAV) Station supporting situational awareness, self-protection, and survivability in a contested environment. AFGSC has defunded the following requirements of the Quad Crew program: To facilitate this, the program upgrades & modifies the ALQ-172 Electronic Warfare Countermeasure System on the B-52 aircraft. A planned expansion of frequency bands within the ALQ-172 system, to restore frequencies previously covered by the deactivated AN/ALQ-155 system, will be included in the program once funding is obtained. In November 2024, Air Force Global Strike Command placed Phase II of the program on hold indefinitely due to operational utility, fiscal constraints, and production device availability.

Funds may be used to address requirements including, but not limited to, system integration, emerging and short notice Diminishing Manufacturing Sources and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/Operational Testing (OT), and safety of flight issues. Additionally, funds may accommodate Program Management Administration (PMA) and support, civilian pay expenses, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

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 FY 2024 \$0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0M is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: B-52 Quad Crew	28.622	28.872	11.549
Description: The Quad Crew program reduces B-52 crew size from five to four personnel. Phase I of the program will transition controls and displays from the Electronic Warfare Officer (EWO) station to the B-52 Navigator (NAV) Station supporting situational awareness, self-protection, and survivability in a contested environment.			
FY 2025 Plans: Continue Engineering and Manufacturing Development activities that will include aircraft structure and design efforts, development of aircraft technical documentation, kit development, complete preliminary design review, procurement of long lead material, and developmental/operational test.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Continue Phase I Engineering and Manufacturing Development activities that will include aircraft structure and design efforts, development of aircraft technical documentation, kit development, complete critical design review, procurement of long lead material, and developmental/operational test. Phase II no longer included in FY2026.												
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to descope associated with Phase II Low band Frequency Expansion EMD.												
Accomplishments/Planned Programs Subtotals										28.622	28.872	11.549
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 06 0101113F: B-52 SQUADRONS	-	-	-	-	-	-	-	-	-			
Remarks												
D. Acquisition Strategy												
The Quad Crew program reduces B-52 crew size from five to four personnel. Phase I of the program will transition controls and displays from the Electronic Warfare Officer (EWO) station to the B-52 Navigator (NAV) Station supporting situational awareness, self-protection, and survivability in a contested environment. The program awarded the Engineering Manufacturing and Development (EMD) contract in 3QFY24. Air Force Global Strike Command (AFGSC) paused Phase II of the program indefinitely due to operational utility, fiscal constraints, and availability of production devices.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B-52 Quad Crew	SS/CPFF	Not specified. : Oklahoma City, OK	-	25.557	Mar 2024	25.408	Apr 2025	11.549	Apr 2026	-		11.549	-	-	-
Subtotal			-	25.557		25.408		11.549		-		11.549	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support, A&AS, PMA	TBD	Not specified. : TBD	-	3.065	Mar 2024	3.464	Mar 2025	-		-		-	-	-	-
Subtotal			-	3.065		3.464		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	28.622		28.872		11.549		-		11.549	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0101113F / B-52 Squadrons

Project (Number/Name)
675165 / B-52 Quad Crew

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Quad Crew																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675165 / B-52 Quad Crew

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Quad Crew				
EMD	2	2024	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676039: B-52 Airspace Compliance	0.000	5.012	1.027	80.525	0.000	80.525	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-52 Airspace Compliance Program ensures the B-52 meets regulatory Airspace Compliance, DoD and FAA mandates by integrated required hardware, software and firmware. Integrates a new Global Positioning System that provides advanced encryption to prevent spoofing and increases jamming protection for the fleet. This also includes the new Global Positioning System (GPS) Military Code (M-Code) signal design that provides a robust signal for the B-52 Fleet, enhancing Anti-Jam/Anti-Spoof capabilities and improving security to the GPS data message as military applications, technology, and mission requirements evolve.

The scope of work may include, but not limited to studies and analyses, and/or any additional analyses or documentation necessary to establish a Programs of Record (POR) the meet mandated functions. Funds may also be used to address emerging and short-notice Diminishing Manufacturing and Material Shortages (DMSMS) for both aircraft and associated training systems, Development Testing (DT)/Operational Testing (OT), safety of flight issues, and associated components of the B-52 baseline configurations. DMSMS efforts may include removal of end-of-life/obsolete software and hardware due to the future emergence of Modular Open Systems Approach (MOSA) implementation.

This Program may also include necessary civilian pay expenses required to manage, execute, and deliver M-Code GPS signal capability, as well as PM Administration (PMA) and support, rapid technology insertion, and fulfill Federal Aviation Agency (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. 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 FY 2024 \$0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0M is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: Airspace Compliance (M-Code)	5.012	1.027	80.525
Description: The new Military Code (M-Code) signal design provides a robust signal acquisition for the B-52 Fleet, enhancing Anti-Jam/Anti-Spoof capabilities and improving security to the GPS data message as military applications, technology, and mission requirements evolve.			
FY 2025 Plans: Program office will continue integration assessment activities and complete risk reduction activities and gain approval of Global Positioning System (GPS) M-Code system integration Acquisition Strategy.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
FY26 we plan to place a delivered Resilient Embedded GPS/INS (R-EGI) Functional Equivalent Unit (FEU) inside of our SIL for testing. M-Code plans on ordering a couple R-EGI Production Ready Prototype (PRP) units for SIL testing. M-Code also plans to award EMD contract after MS B approval in 4Q FY26.												
FY 2025 to FY 2026 Increase/Decrease Statement: The increase in FY26 is due to the program moving from the TMRR phase into EMD.												
Accomplishments/Planned Programs Subtotals										5.012	1.027	80.525
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 05 0101113F: B-52 SQUADRONS	-	-	-	-	-	-	-	-	-	-		
Remarks												
D. Acquisition Strategy												
The Milestone Decision Authority (MDA) for B-52 M-Code is the Senior Materiel Leader (SML) for the B-52 System Program Office (AFLCMC/WBD). Program will complete the integration of M-Code capable components onto the B-52 aircraft fleet. The Acquisition Strategy is to gain MDA approval to enter at Milestone B in FY2026.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration Study	MIPR	TBD : Oklahoma City, OK	-	2.403	Jul 2024	0.377	Jun 2025	-		-		-	-	-	-
R-EGI (Resilient-Embedded GPS/INS)	MIPR	Not specified. : TBD	-	-		0.600	Jun 2025	-		-		-	-	-	-
Various EMD efforts	Various	Not specified. : TBD	-	-		-		67.750	Mar 2026	-		67.750	-	-	-
Subtotal			-	2.403		0.977		67.750		-		67.750	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 (A&AS, Travel, OGC, etc.)	Various	TBD : TBD	-	2.559	Mar 2024	0.000	Mar 2025	2.806	Mar 2026	-		2.806	-	-	-
Subtotal			-	2.559		0.000		2.806		-		2.806	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EMD Contract	SS/CPIF	TBD : Oklahoma City, OK	-	-		-		9.919	Sep 2026	-		9.919	-	-	-
Subtotal			-	-		-		9.919		-		9.919	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Not Specified : TBD	-	0.050	Jul 2024	0.050	Jul 2025	0.050	Jul 2026	-		0.050	-	-	-
Subtotal			-	0.050		0.050		0.050		-		0.050	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons					Project (Number/Name) 676039 / B-52 Airspace Compliance			
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	5.012		1.027		80.525		-		80.525	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0101113F / B-52 Squadrons					676039 / B-52 Airspace Compliance				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Airspace Compliance																												
Studies / Risk Reduction																												
MS B																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 676039 / B-52 Airspace Compliance	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Airspace Compliance				
Studies / Risk Reduction	2	2024	3	2026
MS B	3	2026	3	2026
EMD	3	2026	3	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0101122F I Air-Launched Cruise Missile (ALCM)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.279	0.542	0.555	0.000	0.555	-	-	-	-	-	-
674797: ALCM Upgrades	0.000	0.279	0.542	0.555	0.000	0.555	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AGM-86B, Air Launched Cruise Missile (ALCM), is a subsonic, air-to-surface strategic nuclear missile, operational since 1982. Armed with a W-80 warhead, it is designed to evade air and ground-based defenses in order to strike targets at any location within any enemy's territory. The ALCM is designed for B-52H internal and external carriage.

RDT&E funds support development of new test and evaluation procedures, software, and equipment. RDT&E funds also provide sustainment solutions for Line Replaceable Units (LRU) and technology insertion to ensure ALCM sustainability supports Air Force strategic nuclear deterrence and Global Strike mission requirements until the capability is replaced by the Long Range Stand Off (LRSO) cruise missile. Additionally, RDT&E funds support aging and surveillance analysis to pro-actively identify components which will degrade system reliability.

The ALCM Test Plan Development and Evaluation program develops plans and procedures for testing nuclear systems, and implements those procedures as directed by the Chairman, Joint Chiefs of Staff (CJCS) and to satisfy the recurring requirements to test Chemical, Biological, Radiological, and Nuclear (CBRN) susceptibility.

An extensive Service Life Extension Program (SLEP) is in place to address age related issues and to ensure reliability and sustainability until replaced by the Long Range Stand Off (LRSO) cruise missile. Technology insertion is anticipated to address serviceability of components at or near end of life.

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 2024 \$0.0M was expended for civilian pay expenses in this program element, and in FY 2025 \$0.0M 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101122F I Air-Launched Cruise Missile (ALCM)				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		0.290	0.542	0.557	0.000	0.557
Current President's Budget		0.279	0.542	0.555	0.000	0.555
Total Adjustments		-0.011	0.000	-0.002	0.000	-0.002
• 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		-0.011	0.000			
• Other Adjustments		0.000	0.000	-0.002	0.000	-0.002
Change Summary Explanation						
No significant changes.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: ALCM Test Plan Development and Evaluation				0.279	0.542	0.555
Description: Develop test procedures to implement CJCS-directed requirement for Electromagnetic (EM) testing for nuclear systems.						
FY 2025 Plans: Preparations for ALCM Pylon and Common Strategic Rotary Launcher (CSRL) High-Altitude Electromagnetic Pulse (HEMP) testing in FY 2026.						
FY 2026 Plans: Perform ALCM Pylon and Common Strategic Rotary Launcher (CSRL) High-Altitude Electromagnetic Pulse (HEMP) testing.						
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase due to inflation						
Accomplishments/Planned Programs Subtotals				0.279	0.542	0.555

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101122F I Air-Launched Cruise Missile (ALCM)						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 03 Line Item MALCBG: ALCM, Missile Modifications	38.930	34.019	41.560	-	41.560	-	-	-	-	-	-
• MPAF 04 Line Item MALCBG: ALCM, Replenishment Spares	2.577	1.933	2.663	-	2.663	-	-	-	-	-	-
• MPAF 04 Line Item 999/Replen Spa...: ALCM, Initial Spares	0.360	0.366	0.371	-	0.371	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
Previously, the Air Launched Cruise Missile (ALCM) was assessed in the nuclear environment for Chemical, Biological, Radiological and Nuclear (CBRN) Survivability for High Altitude Electromagnetic Pulse (HEMP) and Total Ionizing Dose at White Sands Missile Range (WSMR).											
Follow-on test development will assess the neutron and gamma component in the nuclear environment for CBRN survivability. Test development and execution will utilize organic and contractor agencies.											
Existing contracts are either Indefinite Delivery Indefinite Quantity (IDIQ) or Requirements contracts.											
Continuous and on-going efforts to identify reliability issues are addressed through low-cost modifications and Service Life Extension Programs (SLEPs).											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101122F / Air-Launched Cruise Missile (ALCM)						Project (Number/Name) 674797 / ALCM Upgrades			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CBRN Test Plan Development & Evaluation	Various	WSMR, Boeing : NV	-	0.279	May 2024	0.542	May 2025	0.555	May 2026	-		0.555	-	-	-
Subtotal			-	0.279		0.542		0.555		-		0.555	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.279		0.542		0.555		-		0.555	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101122F / Air-Launched Cruise Missile (ALCM)										Project (Number/Name) 674797 / ALCM Upgrades									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
CBRN Test																												
CBRN Test Plan Development																												
CBRN Test Execution																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101122F / Air-Launched Cruise Missile (ALCM)	Project (Number/Name) 674797 / ALCM Upgrades

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CBRN Test				
CBRN Test Plan Development	1	2024	4	2025
CBRN Test Execution	2	2025	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0101126F / <i>B-1B Squadrons</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	12.291	17.939	116.589	0.000	116.589	-	-	-	-	-	-
675344: <i>B-1B Modernization</i>	0.000	12.291	17.939	116.589	0.000	116.589	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101126F, project 675344, LRASM C-3, is a new start.
 This program, BA 7, PE 0101126F, project 675344, HYBRID SATCOM, is a new start.
 This program, BA 7, PE 0101126F, project 675344, EXTERNAL HEAVY-STORES PYLON:, is a new start.
 This program, BA 7, PE 0101126F, project 675344, B-1B Test Jet Maintenance (MX), is a new start.

A. Mission Description and Budget Item Justification

The B-1B Lancer is a swing-wing, supersonic, long-range conventional bomber. It carries the largest payload of both guided and unguided weapons in the AF inventory. The multi-mission B-1B is the backbone of America's long-range conventional bomber force and can rapidly deliver massive quantities of precision (and non-precision) weapons against any adversary, anywhere in the world, at any time. The B-1B modernization projects alleviate aircraft obsolescence issues due to Diminishing Manufacturing Sources and Material Shortages (DMSMS) while at the same time providing improved capabilities to the B-1B weapon system that require significant hardware and software development and testing.

RADIO-CRYPTO MODERNIZATION:

The B-1B Radio Crypto program originates from JROCM 040-11, VACM Cease Key CED-026-11, UHF SATCOM (Ultra-High Frequency Satellite Communication) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and DoD CIO Mobile User Objective System (MUOS) transition directive. If the requirements/directives are not met, B-1B will lose its secure line of sight, beyond line of sight, and anti-jam communication with ground and air forces. The initiative will replace the existing ARC-210 (Gen 3/4) with ARC-210 (Gen 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the DoD Chief Information Officer (CIO) directive to move all DoD assets to MUOS constellation (70% by FY26). This effort will lay in Ethernet cable required by MUOS Data (J-REAP C), install MUOS ancillaries High Power Amplifier/Low Noise Amplifier (HPA/LNA) and additional software to execute MUOS capability on the aircraft. The B-1B Radio Crypto program received an updated Acquisition Decision Memorandum (ADM) in March 2023 approving an updated acquisition strategy that combined the program increments into one technical baseline and accelerated the schedule. A further updated ADM signed January 2024 accelerated the full production lot buys. Preliminary Design Review (PDR) was completed in Q4 FY23, Critical Design Review (CDR) approval was completed Q1 FY24, and Ground / Flight Testing is currently ongoing and is expected to conclude Q3 FY25.

EXTERNAL HEAVY-STORES PYLON:

This is a FY26 New Start.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons	
<p>External Heavy-Stores Pylon program expands on the accomplishments of the Hypersonic Integration Program, a Congressional Add, by providing increased carriage capacity of standoff munition on B-1B aircraft. Maximum carriage of existing standoff munitions on the B-1B provides near-term increased volume of fires from standoff ranges and serves to mitigate transition risk of the Air Force bomber fleet prior to the emergence of the B-21 as a combat bomber.</p> <p>- HYPERSONIC INTEGRATION: -- The FY22 and FY23 Conference Appropriations, detailed in the Congressional Conference Reports of Interest, added 20.0M (10.0M in FY22 and 10.0M in FY23) RTD&E appropriation for B-1B hypersonic weapon integration. This funding developed an external carry-enabled testbed facilitating rapid integration of priority hypersonic weapons in support of national security objectives, leading to potential investment opportunities for weapon programs. This program provides an opportunity to significantly reduce risk for an operational external carry capability on the B-1B if directed. The Hypersonic Integration Program successfully demonstrated the B-1's ability to execute a captive carry of a 5,000-pound class store and the release of a proven weapon shape from a Load Adaptable Modular (LAM) pylon.</p> <p>LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION: This is a FY26 New Start.</p> <p>The Long-Range Anti-Ship Missile (LRASM) C-3 is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM (AGM-158C-3) addresses an air-launch capability gap by providing flexible, long-range, advanced, anti-surface capability against high-threat maritime targets.</p> <p>The LRASM AGM-158C-3 variant will be a forward fit Engineering Change Proposal (ECP) to the AGM-158C, to enhance long range strike and existing OASuW capability. Beginning in FY26 through the outyears, the USAF will procure AGM-158C-3 missiles only until the missile inventory objective is met. The first USAF LRASM C-3 missile deliveries are targeted in Q4 CY27.</p> <p>LRASM is highly leveraged on the design of the Joint Air-to-Surface Standoff Missile-Extended Range (JASSM-ER, AGM-158B). LRASM and JASSM-ER have over 70% hardware commonality and share the same production assembly line. The USN is the lead service for the LRASM program, and the B-1 is a threshold platform. The USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements.</p> <p>B-1B HYBRID SATCOM: This is a FY26 New Start.</p> <p>Hybrid-SATCOM provides resilient pLEO in contested environments. INDOPACOM has an urgent requirement to interface and exchange classified data with B-1 in support of INDOPACOM activities in CY26. Securing alternate network connectivity and pathways will restore long-range integration capability and increase combat effectiveness through a modern, resilient, and reliable construct. Without this capability, there is a risk of isolating combat air forces from the Air Operations Center and the Combatant Commander.</p> <p>B-1B TEST JET MAINTENANCE (MX):</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
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 0101126F / <i>B-1B Squadrons</i>
<p>This is a FY26 New Start.</p> <p>The B-1B AFMC Test Jet maintenance project will provide funding for the test aircraft, manpower, and facilities at the Air Force Test Center located at Edwards Air Force Base (AFB), California. This will support the developmental testing and sustainment needs of the B-1B weapon system. It funds support for maintenance activities for test aircraft, which is performed at Tinker AFB, Oklahoma. Funds also support analysis, documentation, and related activities necessary to establish a program of record and support the B-1B weapon system. Additionally, other costs include Program Management Administration (PMA) and centralized support as well as initiatives for anticipated weapon system enhancements (to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, digital engineering and total cost of ownership).</p> <p>GAP AND INTEGRATION ANALYSIS: Program funds cover engineering/planning studies, related engineering efforts, and the auxiliary equipment needed for development projects that have not yet been fielded. Funds may be used to resolve emerging safety of flight and DMSMS issues, accommodate technology insertion, and fulfill FAA (or other) mandates necessary to ensure continued aircrew safety and mission effectiveness. Costs include PMA costs, total ownership cost, as well as initiatives for anticipated weapon system enhancements (to include efforts for improving weapon system operational capabilities, safety, supportability, maintainability, reliability, digital engineering and total cost of ownership). B-1B funding also supports innovation activities to include studies, analyses, requirements definition, digital engineering initiatives and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion, and future acquisition programs. Funds may be used to resolve emerging safety of flight and DMSMS accommodating technology insertion and fulfilling FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness.</p> <p>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 FY 2024 1.4 million was expended for civilian pay expenses in this program element, and in FY 2025 0.8 million is forecasted for civilian pay expenses in this program element.</p> <p>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.</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101126F I B-1B Squadrons				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	12.619	17.939	1.976	0.000	1.976	
Current President's Budget	12.291	17.939	116.589	0.000	116.589	
Total Adjustments	-0.328	0.000	114.613	0.000	114.613	
• 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	-0.328	0.000				
• Other Adjustments	0.000	0.000	114.613	0.000	114.613	
Change Summary Explanation						
FY2026 increases to address a depot visit for a B-1 Developmental Test aircraft; Beyond Line-of-Sight (BLOS) efforts, beginning a hybrid satellite communication development effort, and development in association with external carriage of selected weapons including Joint Air to Surface Standoff Missile (JASSM) and Long Range Anti-Ship Missile (LRASM), plus integration of the L3 variant of the LRASM missile.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: RADIO-CRYPTO				12.291	17.939	0.000
Description: The B-1B Radio Crypto program originates from JROCM 040-11, VACM Cease Key CED-026-11, UHF SATCOM (Ultra-High Frequency Satellite Communication) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and DoD Chief Information Officer (CIO) Mobile User Objective System (MUOS) transition directive. If the requirements/directives are not met, B-1B will lose its secure line of sight, beyond line of sight, and anti-jam communication with ground and air forces. The initiative will replace the existing ARC-210 (Gen 3/4) with ARC-210 (Gen 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the DoD (CIO) directive to move all DoD assets to MUOS constellation (70% by FY26). This effort will lay in Ethernet cable required by MUOS Data (J-REAP C), install MUOS ancillaries (HPA/LNA) and additional software to execute MUOS capability on the aircraft. The B-1B Radio Crypto program received an updated Acquisition Decision Memorandum (ADM) in March 2023 approving an updated acquisition strategy that combined the program increments into one technical baseline and accelerated the schedule. A further updated ADM signed January 2024 accelerated the full production lot buys. Preliminary Design Review (PDR) was completed in Q4 FY23, Critical Design Review (CDR) approval was completed Q1 FY24, and Ground / Flight Testing is currently ongoing and is expected to conclude Q3 FY25.						
FY 2025 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0101126F / <i>B-1B Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Begin software correction for cryptographic hardware and plan transition into production.				
FY 2026 Plans: Complete software correction for cryptographic hardware and transition to production and retrofit.				
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to the finalization of EMD activities.				
Title: LRASM C-3 Description: LONG RANGE ANITSHIP MISSILE (LRASM) C-3 INTEGRATION: This is a FY26 New Start. The Long-Range Anti-Ship Missile (LRASM) C-3 is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM (AGM-158C-3) addresses an air-launch capability gap by providing flexible, long-range, advanced, anti-surface capability against high-threat maritime targets. The LRASM AGM-158C-3 variant will be a forward fit Engineering Change Proposal (ECP) to the AGM-158C, to enhance long range strike and existing OASuW capability. Beginning in FY26 through the outyears, the USAF will procure AGM-158C-3 missiles only until the missile inventory objective is met. The first USAF LRASM C-3 missile deliveries are targeted in Q4 CY27. LRASM is highly leveraged on the design of the Joint Air-to-Surface Standoff Missile-Extended Range (JASSM-ER, AGM-158B). LRASM and JASSM-ER have over 70% hardware commonality and share the same production assembly line. The USN is the lead service for the LRASM program, and the B-1 is a threshold platform. The USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements.		-	0.000	7.910
FY 2025 Plans: N/A FY 2026 Plans: Begin integration efforts for the C3 variant of the LRASM missile. Verify interface documents, begin allocating detailed functional requirements to B-1 weapons software and begin mission planning updates needed for the new missile variant, including aircrew interface requirements.				
FY 2025 to FY 2026 Increase/Decrease Statement: This is a FY26 New Start.				
Title: HYBRID SATCOM		-	0.000	29.044

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0101126F / <i>B-1B Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Description: This is a FY26 New Start. Hybrid-SATCOM provides resilient pLEO in contested environments. INDOPACOM has an urgent requirement to interface and exchange classified data with B-1 in support of INDOPACOM activities in CY26. Securing alternate network connectivity and pathways will restore long-range integration capability and increase combat effectiveness through a modern, resilient, and reliable construct. Without this capability, there is a risk of isolating combat air forces from the Air Operations Center and the Combatant Commander. FY 2025 Plans: N/A FY 2026 Plans: Integrate and fly pre-production pLEO hardware from Air Force Research Lab (AFRL) Develop CONOPS and user interface with early user testing. Begin updating/designing of HW/SW for "plug and play" of production hardware. FY 2025 to FY 2026 Increase/Decrease Statement: This is a FY26 New Start.				
Title: EXTERNAL HEAVY-STORES PYLON: Description: This is a FY26 New Start. External Heavy-Stores Pylon program expands on the accomplishments of the Hypersonic Integration Program, a Congressional Add, by providing increased carriage capacity of standoff munition on B-1B aircraft. Maximum carriage of existing standoff munitions on the B-1B provides near-term increased volume of fires from standoff ranges and serves to mitigate transition risk of the Air Force bomber fleet prior to the emergence of the B-21 as a combat bomber. FY 2025 Plans: N/A. FY 2026 Plans: Conduct Computational Fluid Dynamic (CFD) and wind tunnel testing of pylon/weapon combinations. Begin hardware design to include changes to aircraft Line Replaceable Units (LRUs) and wiring. Begin software updates to recognize pylon stations and weapons. Each Group A Kit (Install Kit) includes a wiring harness kit and a hardware kit.		0.000	0.000	50.260

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
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 0101126F / B-1B Squadrons							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Each Group B Kit (Equipment Kit) is a Load Adjustable Modular (LAM) Pylon.												
FY 2025 to FY 2026 Increase/Decrease Statement: This is a FY26 New Start.												
Title: B-1B Test Jet Maintenance (MX) Description: The B-1B AFMC Test Jet MX project will provide funding for the test aircraft, manpower, and facilities at the Air Force Test Center located at Edwards Air Force Base (AFB), California. This will support the developmental testing and sustainment needs of the B-1B weapon system. It funds support for maintenance activities for test aircraft, which is performed at Tinker AFB, Oklahoma. Funds also support analysis, documentation, and related activities necessary to establish a program of record and support the B-1B weapon system. Additionally, other costs include Program Management Administration (PMA) and centralized support as well as initiatives for anticipated weapon system enhancements (to include efforts to improve weapon system operational capabilities, safety, supportability, maintainability, reliability, digital engineering and total cost of ownership). FY 2025 Plans: N/A FY 2026 Plans: Scheduled maintenance activities to include, safety of flight and Diminishing Manufacturing Sources (DMS) issues and other mandates necessary to ensure continued aircrew safety and mission effectiveness. FY 2025 to FY 2026 Increase/Decrease Statement: This is a FY26 New Start.										-	0.000	29.375
Accomplishments/Planned Programs Subtotals										12.291	17.939	116.589
D. Other Program Funding Summary (\$ in Millions)												
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>	
• APAF 05 Line Item	0.500	0.513	0.258	-	0.258	-	-	-	-	-	-	
B01B00: <i>Training Support to Units, Mods PE 0809731F</i>												
• APAF 05 B01B00: B-1B	9.282	12.893	73.635	-	73.635	-	-	-	-	-	-	
Remarks												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101126F I B-1B Squadrons	
<p>E. Acquisition Strategy</p> <p>Long-Range Anti-Ship Missile (LRASM) C-3 Integration acquisition strategy is anticipated to be a Sole Source (SS), Cost Plus Fixed Fee (CPFF), Engineering Assignment effort on the existing Lockheed and Boeing contracts.</p> <p>The B-1B Hybrid SATCOM integration acquisition strategy is anticipated to be competitively bid, cost plus fixed fee (CPFF), and with some effort on the existing Boeing contract for aircraft software.</p> <p>B-1B Test Jet Maintenance will utilize funding for maintenance activities on the test aircraft at Tinker AFB, OK.</p> <p>External Heavy-Stores Pylon strategy increases the B-1B aircraft's standoff munition carriage capacity to address program modification needs. This will be accomplished through a prioritized two-year, Sole Source (SS), Firm Fixed Price (FFP) Engineering Assignment focused on external pylon integration.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Radio Crypto Compliance (EA- 11468)	SS/CPFF	Boeing : OKC, OK	-	1.282	Nov 2023	5.350	Nov 2024	-		-		-	-	-	35.000
Radio Crypto Compliance (EA-11468)	SS/CPFF	Boeing : OKC, OK	-	7.058	Jun 2024	2.500	Jul 2025	-		-		-	-	-	-
Radio Crypto, CNMS via Navy	MIPR	US Navy : OKC, OK	-	-		5.300	Sep 2025	-		-		-	-	-	-
LRASM C-3	SS/CPFF	Boeing : OKC, OK	-	-		-		0.500	Dec 2025	-		0.500	-	-	-
Hybrid SATCOM	SS/CPAF	TBD : OKC, OK	-	-		-		26.644	Nov 2025	-		26.644	-	-	-
B-1B Test Jet MX	PO	Tinker AFB : OKC, OK	-	-		-		29.375	Oct 2025	-		29.375	-	-	-
External Pylons AC Instrumentation	C/CPAF	Boeing : OKC, OK	-	-		-		10.800	Nov 2025	-		10.800	-	-	-
External Pylons Group A Design	MIPR	NIAR : Wichita, KS	-	-		-		0.900	Apr 2026	-		0.900	-	-	-
External Pylons Contract to PDR	C/CPAF	Boeing : OKC, OK	-	-		-		4.500	Nov 2025	-		4.500	-	-	-
External Pylons Contract to CDR	C/CPAF	Boeing : OKC, OK	-	-		-		4.500	Nov 2025	-		4.500	-	-	-
External Pylons Contract to FTRR	C/CPAF	Boeing : OKC, OK	-	-		-		7.100	Jul 2026	-		7.100	-	-	-
Subtotal			-	8.340		13.150		84.319		-		84.319	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Radio Crypto Compliance (OGC)	TBD	POS, Travel : OKC, OK	-	0.000	Aug 2024	0.611	Aug 2025	-		-		-	-	-	-
Radio Crypto Compliance (Trainer/Simulator Software)	TBD	Trainers & Simulators : OKC, OK	-	-		2.700	Aug 2025	-		-		-	-	-	-
LRASM C-3 (C3CCTV)	PO	Convert to C3CCTV : NAS PAX, MD	-	-		-		2.200	Mar 2026	-		2.200	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LRASM C-3 (C3WSS)	PO	Purchase C3WSS : NAS PAX, MD	-	-		-		1.500	Mar 2026	-		1.500	-	-	-
LRASM C-3 (C3AUR)	SS/TBD	Purchase C3AUR : NAS PAX, MD	-	-		-		3.100	Dec 2025	-		3.100	-	-	-
LRASM C-3 Mission Planning	SS/TBD	Update Software : Lincoln, MA	-	-		-		0.610	Jan 2026	-		0.610	-	-	-
External Pylons (BAH A&AS)	MIPR	GSA : OKC, OK	-	-		-		2.500	May 2026	-		2.500	-	-	-
External Pylons (OPSEC)	TBD	OPSEC : OKC, OK	-	-		-		1.300	Aug 2026	-		1.300	-	-	-
External Pylons (Travel)	TBD	Travel : OKC, OK	-	-		-		0.173	May 2026	-		0.173	-	-	-
Hybrid SATCOM	TBD	Trainers & Simulators : OKC, OK	-	-		-		2.400	Jul 2026	-		2.400	-	-	-
Subtotal			-	0.000		3.311		13.783		-		13.783	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Radio Crypto Compliance (DT/OT)	PO	Edwards : CA	-	1.947	Mar 2024	-		-		-		-	-	-	-
External Pylons (Edwards Test)	PO	Edwards : CA	-	-		-		2.087	Oct 2025	-		2.087	-	-	-
External Pylons Edwards Test	PO	Edwards : CA	-	-		-		5.000	Aug 2026	-		5.000	-	-	-
External Pylons Boeing(Test)	SS/TBD	Boeing : OKC, OK	-	-		-		10.000	Apr 2026	-		10.000	-	-	-
Subtotal			-	1.947		-		17.087		-		17.087	-	-	N/A
Remarks Radio Crypto Project Order (PO) for Flight testing is to the 419th Test Squadron.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/DCA - Radio Crypto Compliance	Various	Various : OKC, OK	-	2.004	Oct 2023	0.854	Oct 2024	0.000	Oct 2025	-		0.000	-	-	-
PMA - SAF WITHHOLD/ SBIR TAX	Various	Various : TBD	-	-		0.624	Jun 2025	-		-		-	-	-	-
External Pylons DCA	Various	Various : OKC, OK	-	-		-		1.400	Jan 2026	-		1.400	-	-	-
Subtotal			-	2.004		1.478		1.400		-		1.400	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	12.291		17.939		116.589		-		116.589	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0101126F / B-1B Squadrons					675344 / B-1B Modernization				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
EXTERNAL HEAVY-STORES PYLON																												
AC Instrumentation																												
Group A Design																												
Contract to PDR																												
Contract to CDR																												
Contract to FTRR																												
RADIO CRYPTO																												
DT/OT																												
MS-C																												
B-1B Hybrid SATCOM																												
EMD																												
B-1B TEST JET MX																												
B-1B TEST JET MX																												
LRASM C-3																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / <i>B-1B Squadrons</i>	Project (Number/Name) 675344 / <i>B-1B Modernization</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
EXTERNAL HEAVY-STORES PYLON				
AC Instrumentation	1	2026	1	2028
Group A Design	3	2026	4	2027
Contract to PDR	1	2026	3	2026
Contract to CDR	1	2026	2	2027
Contract to FTRR	4	2026	3	2028
RADIO CRYPTO				
DT/OT	4	2024	4	2025
MS-C	4	2025	4	2025
B-1B Hybrid SATCOM				
EMD	1	2026	2	2027
B-1B TEST JET MX				
B-1B TEST JET MX	1	2026	4	2028
LRASM C-3				
EMD	1	2026	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0101127F / <i>B-2 Squadrons</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	83.010	37.862	12.519	0.000	12.519	-	-	-	-	-	-
675345: <i>B-2 Modernization</i>	0.000	81.077	29.846	4.527	0.000	4.527	-	-	-	-	-	-
676021: <i>BASELINE SUPPORT</i>	0.000	1.933	8.016	7.992	0.000	7.992	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The B-2 Program Office's mission is to modernize and sustain the nation's only long-range penetrable strike bomber serving both the nuclear and conventional missions. The B-2 must remain ready, effective, and survivable every time the nation calls and cannot relax on modernization or sustainment efforts until its replacement is fully operational - a moving goal that continues to slip into the future. The Air Force must continue to modernize the B-2 to ensure its mission effectiveness exceeds the pacing threat, which continues to advance in technology and capabilities.

The B-2 Program Office's portfolio includes projects that sustain weapon system effectiveness while seeking opportunities to lower life-cycle costs; incrementally improve subsystem capabilities across a range of sustainment and modernization efforts; combine existing technologies with innovative processes to solve supportability challenges; and integrate novel technologies to ensure our warfighters' can outpace the threat, while at the same time reducing integration risk for future platforms.

The B-2 is continuing modernization efforts to improve its avionics, communications systems, cockpit displays, armament systems, low observable components, core training system components, aircraft supportability improvements, and support equipment development.

The Air Force will also study, prototype, and demonstrate, multiple structural, avionics, and engine modifications, as well as advanced weapons capabilities, carriage systems integration, and communications, that could improve the performance of the aircraft and engines and reduce maintenance man-hours and the logistics footprint of the fleet. Focus of the studies, prototypes, and demonstrations will be on non-mission capable (maintenance) drivers, safety issues, and obsolescence issues through modernization of key components in the airframe, avionics, and engines resulting in improved aircraft availability of a high demand/low density fleet.

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, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 \$0.0M was expended for civilian pay expenses in this program element, and in FY 2025 \$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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0101127F I B-2 Squadrons			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	87.623	41.212	0.004	0.000	0.004
Current President's Budget	83.010	37.862	12.519	0.000	12.519
Total Adjustments	-4.613	-3.350	12.515	0.000	12.515
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-11.200	-3.350			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	8.937	0.000			
• SBIR/STTR Transfer	-2.350	0.000			
• Other Adjustments	0.000	0.000	12.515	0.000	12.515
Change Summary Explanation					
FY 2024 Congressional reduction of -11.2M for the Multi-Functional Display Replacement (MDU-R) execution delays					
Below Threshold Reprogramming in support of Advanced Communications +8.937M					
FY 2025 Congressional reduction of -3.350M Multi-Functional Display Replacement (MDU-R) carryover					
FY 2026 Increase due to Air Force priority on Low Observable Supportability and Sustainment Modernization (LOSSM), Weapons Integration and Baseline Support for B-2					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 675345 / B-2 Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675345: B-2 Modernization	0.000	81.077	29.846	4.527	0.000	4.527	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The B-2 is currently undergoing modernization of avionics, communications systems, cockpit displays, armament systems, low observable components, core training system components, aircraft supportability improvements, and support equipment development.

The Air Force will continue to study multiple structural, avionics, and engine modifications, as well as advanced weapons integration, communications upgrades, and innovative low observable enhancements, that could improve the performance of the aircraft and engines and reduce maintenance man-hours and the logistics footprint of the fleet.

The Adaptable Communications Suite (ACS) Increment 4.0 provides secure beyond line-of-sight SATCOM Command and Control connectivity. ACS 4.0 will replace the current radios and ancillaries to transition the B-2 SATCOM's capability from the Ultra High Frequency Follow-On (UFO) satellite constellation to the Mobile User Objective System satellite constellation bringing enhanced capability over UFO's waveform. Along with the aircraft system, the ACS ground systems and infrastructure will be redesigned to support this new waveform. ACS 4.0 significantly improves the transfer time for real-time mission planning data, and allows for simultaneous use of SATCOM voice and data. Funds will support the development and integration of a highly secure communications pathway that will enable the B-2 warfighter's to communicate and receive updated targeting data while operating in highly contested environments. This capability can be used globally, but it is critical once the B-2 enters a highly contested airspace.

B-2 Battlespace Collaborative Combat Communications (B2C3) effort integrates an independent Open Mission Systems (OMS) avionics architecture on the B-2, as well as upgrades the B-2's current line-of-site capability. B2C3's objective is to identify, leverage, and integrate existing capabilities to meet Air Force Global Strike's B-2 communications requirements. B2C3 will be implemented in two main increments defined as Spiral 1 and Spiral 2. Spiral 1 will provide the OMS architecture (multi-mission domain) within the B-2 and Spiral 2 will implement Airborne Integrated Terminal Group (AITG) providing Line-of-Sight Ultra High Frequency (UHF) and Very High Frequency (VHF) anti-jam, encrypted, and unencrypted voice communications. AITG will replace the AN/ARC-234 radio (reaches end-of-life effective 01 Oct 2026) with two AN/ARC-210 radios and will transition from the HAVEQUICK waveform (sunsetting 01 Oct 2024) to the SATURN anti-jam waveform for voice communications.

The Low Observable Signature and Supportability Modifications (LOSSM) is a Continuous Improvement Program that supports the B-2's survivability against pacing and enhancing threats. LOSSM also serves other low observable (LO) platforms by advancing their ability to penetrate anti-access combat environments, perform missions directed by the National Command Authority while ensuring aircrew survivability. The LOSSM program reduces low observable (LO) maintenance, which is the B-2's highest maintenance driver, to improve combat readiness. Additionally, this program encompasses multiple improvement projects including, but not limited to, improved LO materials (electrically conductive materials, adhesives, electrically resistive materials, radar absorbing material, fastener fills, coatings, welds, material removal tools, and improved processes), LO structures (radar radomes, antennas, hot trailing edges and tiles, intermediate section doors, tailpipes, windows, lib bay panels, leading edge, permanent fasteners, exhaust pockets, gust load alleviation system, inlets, radar absorbing structures, overall signature stability, and Alternate High Frequency Material expansion) and additional efforts that enhance LO aircraft survivability; and radio frequency diagnostic tools, evaluation systems, and other

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
<p>key support equipment (Tier I Material Inspection System, Signature Diagnostic System, next generation Tier II and Tier III systems, Test Article 0998 (a B-2 test asset) optimization, conductivity probes, tailpipe inspection tools, LO- related special test equipment, data archival, and communications tools). LOSSM yields a high Return On Investment (ROI) and provides signature confidence for war time readiness posturing.</p> <p>The B-2 Training System upgrades include, but are not limited to, updates to training device hardware and components, simulation software, course ware and academic materials, instructional system design architectures, engineering drawings, and system documentation that are not driven by a funded aircraft modification. Upgrades may include Diminishing Manufacturing Sources efforts to include removal of end-of-life software/hardware within simulator systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Additional Training System Upgrades may also include efforts to implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative.</p> <p>Continuation of B-2 Armament upgrades integrate new and/or advanced weapons on the B-2 to attack a wider array of target sets, to include hardened, deeply buried targets, as well as destroy more targets per sortie. Studies and efforts will refine B-2 targeting accuracy using GPS guided weapons. Nuclear modernization will continue with software and crypto modifications.</p> <p>B-2 funding may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Funding may also support innovation activities including, but not limited to, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion, and future acquisition programs.</p>				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Title: Low Observable Signature and Supportability Mods and Trainers</p> <p>Description: B-2 Low Observable Signature and Supportability Modifications (LOSSM) pursues multiple low-cost development upgrades for Low Observable (LO) materials, structures, diagnostics and procedures to enhance LO signature and/or improve aircraft supportability and survivability, as well as other development or study efforts for training system improvements. Program transitions successful research projects to EMD/production implementation.</p> <p>FY 2025 Plans: LOSSM utilizes funding for efforts that may include but are not limited to the research and development of enhancing and integrating survivability capabilities on the B-2, including B-2 Battlespace Defensive Suite (B2DS, a classified effort), and buy down risk for current and future LO platforms. Funding also continues the research and development for Low-Frequency Antenna (LFA) upgrades to the Resonant Sciences Adaptable Zonal Radar (RAZR) which involves the integration of interchangeable antenna solutions designed to assess radar cross section (RCS) health and inform LO maintenance decisions over a wider frequency range, including additional threat frequencies.</p> <p>FY 2026 Plans: LOSSM will continue funding research and development efforts related to classified survivability capabilities on the B-2. These potential new efforts involve the integration of novel technologies that will provide new capabilities not previously employed by the B-2, and other LO platforms. Funding will also be leveraged to continue research and development of RAZR capabilities, including</p>		0.200	1.000	3.393

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Tier II inspection optimization using advanced techniques (3D imaging, basis pursuit), on-aircraft installed antenna evaluation, performance characterization, and additional functionality in support of classified projects. Funding may also be used to continue development and integration studies related to B2DS.			
FY 2025 to FY 2026 Increase/Decrease Statement: Increase for upcoming Low-Observable (LO) projects to maintain and upgrade B-2 LO, and potentially other LO platforms, against on-going and emerging threats.			
Title: B-2 Advanced Communications -- Adaptable Communications Suite (ACS) 4.0 Description: ACS 4.0 provides secure beyond line-of-sight SATCOM Command and Control connectivity. ACS 4.0 will involve replacing the current radios and ancillaries to transition B-2 SATCOM to Mobile User Objective System due to the sunset of the current Ultra High Frequency Follow-On satellite constellation. Along with the aircraft system, the ACS ground systems and infrastructure will be redesigned to support this requirement. ACS 4.0 will significantly reduce data transmission time and allow for simultaneous use of SATCOM voice and data. FY 2025 Plans: Complete flight readiness review and flight test activities. Complete airworthiness and Production Readiness Review. FY 2026 Plans: No FY2026 Funding FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to development activities completing in FY2025		23.719	5.517
Title: B-2 Advanced Communications -- B-2 Battlespace Collaborative Combat Communications (B2C3) Description: B2C3 integrates an independent OMS avionics architecture integrated on the B-2. B2C3 objective is to identify, leverage, and integrate existing capabilities (such as ACS & AITG) to meet B-2 communications requirements. B2C3 is a compilation of multiple efforts the B-2 Program Office incrementally integrates in a spiral fashion where subsequent spirals build off previous spirals as funding becomes available. Spiral 1 is designed to deliver the Open Mission Systems (OMS) architecture (domain) within the B-2. By building an OMS interface, new technologies can be rapidly deployed and fielded. This will provide an integrated concept that merges BLOS and LOS Link-16 data into the cockpit display and provides a single consolidated Tactical Situation Display (TSD) centrally located for the aircrew. B2C3 Spiral 2 effort develops and fields the AITG capability which provides Line-of-Sight UHF and Very High Frequency (VHF) anti-jam, encrypted, and unencrypted voice communications. AITG Replacement will include the replacement of the AN/ARC-234 radio which will reach end-of-life effective 01 Oct 2026. AITG replacement will also implement the SATURN Waveform for anti-jam voice communications; this is a transition from the HAVE QUICK Waveform which will be retired effective 01 Oct 2024.		21.860	11.133
			1.130

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: Finish development and test of Spiral 1 and 2.				
FY 2026 Plans: Funding will be used to complete EMD and studies related to weapons integration				
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to most development activities completing in FY2025				
Title: B-2 Display Modernization (BDM) Description: The B-2 Display Modernization program is a modernization of the B-2 multi-purpose display units (MDUs) and includes removal of the Defensive Management System-Modernization (DMS-M) modification from the B-2 fleet test aircraft and lab environment. This is not a new start, but a continuation of RDT&E that was part of the previous DMS-M program. FY 2021 and prior years DMS-M efforts were in PE 0605931F. This program completed DMS-M removal from the test aircraft in Dec 2023.		32.665	8.944	0.000
FY 2025 Plans: Complete flight test activities and System Verification Review.				
FY 2026 Plans: No FY 2026 RDT&E funding.				
FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to B-2 Multi-purpose Display Units (MDUs) development contract and flight test activities completing in FY 2025.				
Title: B-2 Trainers Modernization Description: The B-2 Training System upgrades include, but are not limited to, updates to training device hardware and components, simulation software, courseware and academic materials, instructional system design architectures, engineering drawings, and system documentation that is not driven by a funded aircraft modification. Upgrades may include Diminishing Manufacturing Sources efforts to include removal of end-of-life software/hardware within simulator systems and move to a modular, common open system architecture that is sustainable and cyber-resilient. Additional Training System Upgrades may also include efforts to implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative. Other Training Systems upgrades may include efforts such as Advanced Communications in conjunction with the platform upgrades. Support to include, but not limited to, Program Management Administration (PMA), Advisory and Assistance Services (A&AS), and travel to enable mission requirements.		2.633	3.252	0.004
FY 2025 Plans:				

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / <i>B-2 Squadrons</i>	Project (Number/Name) 675345 / <i>B-2 Modernization</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Integrate Advanced Communications capabilities into the training system to ensure concurrency between the aircraft and training system, A&AS for Logistics, Configuration, and Cyber Security support, and travel to enable mission requirements.			
<i>FY 2026 Plans:</i> Continuing A&AS for Logistics, Configuration, and Cyber Security support, and travel to enable mission requirements.			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease is due to reduced requirements while maintaining A&AS support and travel.			
Accomplishments/Planned Programs Subtotals	81.077	29.846	4.527

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 B00200: <i>B-2A</i>	89.738	63.932	78.438	-	78.438	-	-	-	-	-	-
• APAF 07 B00200: <i>B-2A</i>	1.838	1.885	-	-	-	-	-	-	-	-	-
• APAF 07 B002B0: <i>B-2B</i>	17.869	15.709	19.222	-	19.222	-	-	-	-	-	-
• APAF 07 000075: <i>Other</i>	18.894	19.358	19.693	-	19.693	-	-	-	-	-	-
<i>Production Charges</i>											
• OPAF 03 833140: <i>Strategic</i>	0.535	0.578	0.591	-	0.591	-	-	-	-	-	-
<i>Command And Control</i>											

Remarks

D. Acquisition Strategy

The B-2 is currently undergoing modernization of avionics systems, communication systems, cockpit displays, low observable components and training systems as well as the integration of advanced weapons. Most, but not all B-2 modernization programs utilize a sole source contract with the prime/integrating contractor (Northrop Grumman). Key elements of the acquisition strategy include: use of cost plus incentive fee and fixed price incentive fee development contracts, as well as the combination of developmental upgrades with software sustainment blocks to minimize the number of software releases, aircraft downtime, and number of fielded configurations.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 675345 / B-2 Modernization					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Low Observable Signature and Supportability Mods	Various	Various : Various	0.000	0.181	Dec 2023	0.782	Apr 2025	2.990	Feb 2026	-		2.990	-	-	-
B-2 Advanced Communications - Adaptive Communications Suite 4.0	Various	Various : Various	0.000	23.823	Nov 2023	4.243	Nov 2024	-		-		-	-	-	-
B-2 Advanced Communications - Battlespace Collaborative Combat Communications (B2C3)	Various	Northrop Grumman; various : Various	0.000	15.931	Mar 2024	8.207	Mar 2025	1.039	Aug 2026	-		1.039	-	-	-
B-2 Display Modernization (BDM)	Various	Northrop Grumman : Various	0.000	22.408	Jan 2024	6.070	Jan 2025	-		-		-	-	-	-
B-2 Training Modernization	Various	Northrop Grumman : Various	0.000	2.377	Feb 2024	2.544	Feb 2025	0.004	Feb 2026	-		0.004	-	-	-
Subtotal			0.000	64.720		21.846		4.033		-		4.033	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	SS/ Various	Northrop Grumman : Various	0.000	1.688	Jan 2024	0.774	Jan 2025	0.129	Jan 2026	-		0.129	-	-	-
Subtotal			0.000	1.688		0.774		0.129		-		0.129	-	-	N/A
Remarks															
This support is the Enterprise Support Delivery Order (ESDO) under the B-2 Flexible Acquisition and Sustainment Team (FAST) III umbrella contract with Northrop Grumman.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.000	5.921	Oct 2023	6.300	Oct 2024	0.110	Oct 2025	-		0.110	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 675345 / B-2 Modernization					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	DCS Corporation : Various	0.000	8.748	Oct 2023	0.926	Oct 2024	0.255	Oct 2025	-		0.255	-	-	-
Subtotal			0.000	14.669		7.226		0.365		-		0.365	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	81.077		29.846		4.527		-		4.527	-	-	N/A
Remarks															
Award dates listed are the first incremental funding opportunity associated with each cost category.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons					Project (Number/Name) 675345 / B-2 Modernization				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
B-2 Modifications Schedule																												
Low Observable Signature and Supportability Mods and Trainers																												
IFF Mode 5/S EMD Phase																												
B-2 Display Modernization (BDM) Displays EMD Phase																												
Advanced Communications-Adaptable Communications Suite (ACS 4.0)																												
Advanced Communications-B-2 Battlespace Collaborative Combat Communications (B2C3)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
B-2 Modifications Schedule				
Low Observable Signature and Supportability Mods and Trainers	1	2024	4	2030
IFF Mode 5/S EMD Phase	1	2024	2	2025
B-2 Display Modernization (BDM) Displays EMD Phase	1	2024	4	2025
Advanced Communications-Adaptable Communications Suite (ACS 4.0)	1	2024	3	2025
Advanced Communications-B-2 Battlespace Collaborative Combat Communications (B2C3)	1	2024	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 676021 / BASELINE SUPPORT			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676021: BASELINE SUPPORT	0.000	1.933	8.016	7.992	0.000	7.992	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Baseline Support maintains and upgrades the B-2 unique flight test aircraft as well as hardware/software and instrumentation and test equipment to support developmental systems integration, and flight test, reducing the need for additional operational aircraft and accelerating deployment of advanced operational capabilities to the warfighter.

Baseline Support also provides for other B-2 unique government costs and includes assorted studies of aircraft performance as well as acquisition planning activities, up to and including proposal preparation, for future aircraft, engine, weapon, communication, navigation or other capabilities.

B-2 funding may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, and fulfill FAA or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Funding may also support innovation activities including, but not limited to, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion, and future acquisition programs.

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

	FY 2024	FY 2025	FY 2026
Title: Baseline Support Flight Test	1.933	8.016	7.992
Description: Baseline Support Flight Test maintains and upgrades the B-2 unique flight test aircraft as well as hardware/software and test equipment to support developmental systems integration and flight test, reducing the need for additional operational aircraft and accelerating deployment of advanced operational capabilities to the warfighter.			
FY 2025 Plans: Continue to support and complete B-2 test activities including maintaining and supporting the B-2 flight test aircraft and supporting integration flight test, and planning activities associated with the test jet.			
FY 2026 Plans: Continue to support and complete B-2 test activities including maintaining and supporting the B-2 flight test aircraft and supporting integration flight test, and planning activities associated with the test jet. Will also support weapons integration, instrumentation support, test jet equipment as deemed necessary,			
FY 2025 to FY 2026 Increase/Decrease Statement: Flight test support for the test jet will decrease by \$.024 from FY25 to FY26. Programs may have to pay additional for their respective flight tests.			
Accomplishments/Planned Programs Subtotals	1.933	8.016	7.992

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 676021 / BASELINE SUPPORT
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy Key elements of the acquisition strategy include: use of a sole source contract with a prime/integrating contractor (Northrop Grumman) for most but not all B-2 programs; use of cost plus incentive fee (CPIF) development contracts; use of B-2A Global Power Bomber Combined Test Force (GPB CTF) Statement of Capabilities (SOC) and the combination of developmental upgrades with software sustainment blocks to minimize the number of software releases, aircraft downtime, and differences in fielded configurations.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 676021 / BASELINE SUPPORT					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	SS/ Various	Northrop Grumman : Various	0.000	0.664	Jan 2024	4.357	Jan 2025	5.200	Jan 2026	-		5.200	-	-	-
Other Government Costs	Various	Various : Various	0.000	0.900	Oct 2023	2.533	Oct 2024	2.146	Oct 2025	-		2.146	-	-	-
Subtotal			0.000	1.564		6.890		7.346		-		7.346	-	-	N/A
Remarks															
This support is the Enterprise Support Delivery Order (ESDO) under the B-2 Flexible Acquisition and Sustainment Team (FAST) II umbrella contract with Northrop Grumman.															
Other Government Costs covers the flight test cadre Contract Line Item Number (CLIN) on the ESDO.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/CPAF	Not specified. : TBD	0.000	0.000	Dec 2023	0.736	Dec 2024	0.246	Dec 2025	-		0.246	-	-	-
PMA	Various	Various : TBD	0.000	0.369	Dec 2023	0.390	Dec 2024	0.400	Dec 2025	-		0.400	-	-	-
Subtotal			0.000	0.369		1.126		0.646		-		0.646	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	1.933		8.016		7.992		-		7.992	-	-	N/A
Remarks															
Award dates listed are the first incremental funding opportunity associated with each cost category.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 676021 / BASELINE SUPPORT			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
B-2 Baseline Support																												
FY 2024 Flight Test Core Support Annual Contract Award																												
FY 2025 Flight Test Core Support Annual Contract Award																												
FY 2026 Flight Test Core Support Annual Contract Award																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 676021 / BASELINE SUPPORT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
B-2 Baseline Support				
FY 2024 Flight Test Core Support Annual Contract Award	2	2024	1	2025
FY 2025 Flight Test Core Support Annual Contract Award	2	2025	1	2026
FY 2026 Flight Test Core Support Annual Contract Award	2	2026	1	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0101213F I Minuteman Squadrons							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	41.732	59.320	106.032	0.000	106.032	-	-	-	-	-	-
672983: MM Ground and Comm Equipment	0.000	4.115	0.000	5.433	0.000	5.433	-	-	-	-	-	-
672984: MM III Baseline Support	0.000	28.617	48.517	79.742	0.000	79.742	-	-	-	-	-	-
672985: MM Support Equip	0.000	9.000	10.803	20.857	0.000	20.857	-	-	-	-	-	-
Note												
This program, BA 7, PE 0101213F, project 672983, LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R), is a new start.												
This program, BA 7, PE 0101213F, project 672984, LGM-30G Higher Authority Communication Test System (HACTS) 2.0, is a new start.												
This program, BA 7, PE 0101213F, project 672984, LGM-30G Arm/Disarm Switch Replacement (ADSR), is a new start.												
A. Mission Description and Budget Item Justification												
The Minuteman (MM) Ground and Communication Equipment program replaces obsolete/unsupportable ground-based weapon system equipment located at 45 Launch Control Centers (LCCs) and 450 Launch Facilities (LFs) necessary to continue Minuteman III (MM III) operations until replaced by Sentinel. Current efforts include development, qualification, integration, and testing of replacement equipment for the LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R).												
MM III Baseline Support program replaces or upgrades obsolete/unsupportable flight test unique equipment installed on the missile during flight test, used to test MM III systems on the ground, or located at test facilities to collect, process, and analyze test data. Flight test equipment supports test and evaluation of MM III capabilities and MM III Operational Test Launches (OTLs) to determine ICBM force readiness, reliability, and capability shortfalls. Efforts include development, qualification, integration, and testing of replacement equipment such as: LGM-30G Flight Test, Telemetry, and Termination System (FT3); LGM-30G Higher Authority Communication Test System (HACTS) 2.0; LGM-30G Stage 1 Battery Replacement (SOBR); LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP); Arm/Disarm Switch Replacement (ADSR); and Little Mountain Test Facility (LMTF). These programs will also implement processes, procedures, and data systems to mitigate the transition risk from MM III to Sentinel. As other similar equipment is identified for replacement, it will be added to this program. MM III Baseline Support also provides for other MM III unique government costs, studies of system performance, contract closeout costs, cost trades and acquisition planning activities, up to and including proposal preparation, to meet Capability Development Document requirements in an evolving threat landscape by leveraging advanced technologies. Efforts also include any minor needs required to prepare for full acquisition purposes.												
MM Support Equipment program designs, develops, and tests replacement of obsolete/non-serviceable weapon system support equipment. These programs will also implement processes, procedures, and data systems to mitigate the transition risk from MM III to Sentinel. Efforts include design, development, and testing of support equipment such as MM III Acquisition of Transportation and Handling (MATH), MM III Acquisition of Transportation and Handling Support Equipment (MATH SE) effort, and Missile Transporter Acquisition Program (MTAP).												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101213F I Minuteman Squadrons				
<p>MM Crypto Mods executes United States Strategic Command, Air Force Global Strike Command, and Air Force Safety Center requirements by implementing the KS-60 capabilities and addresses Nuclear Weapon System Safety Group Operational Safety Review requirements 98-2, 00-1, and 02-2. It also incorporates continuous signal lockout capabilities to prevent the widespread loss of status monitoring. These features will greatly increase security during code changes by reducing the frequency of open sites by 75 days annually and will reduce associated resource costs for 450 LFs and 45 LCCs.</p> <p>MM III also includes unforeseen costs arising for various reasons for programs from prior President's Budgets.</p> <p>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, 0.000M was expended for civilian pay expenses. 0.000M is forecasted in FY2025 for civilian pay expenses.</p> <p>The FY 2026 request was reduced by \$1.864 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."</p> <p>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.</p>						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		33.237	62.550	24.436	0.000	24.436
Current President's Budget		41.732	59.320	106.032	0.000	106.032
Total Adjustments		8.495	-3.230	81.596	0.000	81.596
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		10.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	-3.230			
• SBIR/STTR Transfer		-1.505	0.000			
• Other Adjustments		0.000	0.000	81.596	0.000	81.596
Change Summary Explanation						
FY 2024 Congressional add: 5.00M program increase for multi-domain command and control (AFRL). 5.00M program increase for software modernization for air logistics (ALC). (1.505) for Small Business Innovative Research (SBIR)						
FY 2025 decrease of 3.230M accounting for final Congressional marks: (1.500M) for Stage 1 Battery Replacement (SOBR) and (1.730M) for Minuteman III Acquisition of Transportation and Handling (MATH) efforts.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101213F I Minuteman Squadrons	
<p>FY 2026 81.596M increase due to close out activities for FT3, Baseline Support activities, and additional funding for FRBP ESS-R, HACTS, SOBR, DRSERP, ADSR, and LMTF.</p> <p>FY 2026 request was reduced by 1.864 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."</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>				Project (Number/Name) 672983 / <i>MM Ground and Comm Equipment</i>			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
672983: <i>MM Ground and Comm Equipment</i>	0.000	4.115	0.000	5.433	0.000	5.433	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101213F, project 672983, LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R), is a new start.

A. Mission Description and Budget Item Justification

The MM Ground and Comm Equipment program replaces obsolete/unsupportable ground-based weapon system equipment located at Launch Control Centers (LCCs) and Launch Facilities (LFs) necessary to continue Minuteman III operations until replaced by Sentinel. Current efforts include development, qualification, integration, and testing of replacement equipment such as the LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R). MM Ground and Comm Equipment also includes unforeseen costs arising for various reasons on programs from prior President's Budgets.

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, 0.000M was expended for civilian pay expenses. 0.000M is forecasted in FY2025 for civilian pay expenses.

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

	FY 2024	FY 2025	FY 2026
Title: LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R)	4.115	0.000	5.433
Description: The Fast-Rising B-Plug Energy Storage System Replacement (FRBP ESS-R) Program replaces current energy storage cabinet, which powers hardware used to raise/lower B-plug, securing Minuteman III Launch Facilities (LFs)			
This effort includes critical hardware modifications to address high obsolescence risk and reliability issues affecting the operational wings.			
FY25 Plan with FY24 Funding System Requirements Review for Support Equipment and Test Stand, Preliminary and Critical Design Preparation.			
FY 2025 Plans: System Requirements Review and Preliminary/Critical Design Preparation			
FY 2026 Plans: Critical Design Review, Test Readiness Review Preparation			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672983 / MM Ground and Comm Equipment	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
This is an FY26 new start.			
During qual testing, contractor made major changes to design and drawing package, requiring revalidation of design and reperforming qual test. In addition to design changes, additional support equipment and test stand required to support fielding and maintenance of ESS-R cabinets. These assets will also require qual testing. Incorporation of these changes and the required testing are estimated to take an additional 45 months to complete EMD.			
Accomplishments/Planned Programs Subtotals	4.115	0.000	5.433

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 03 Line Item	7.027	12.818	0.000	-	0.000	-	-	-	-	-	-
M30MLG: MM III Modifications											
• MPAF 04 Line Item 00098A:	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-
Msl Sprs / Repair Parts (Initial)											

Remarks

D. Acquisition Strategy

Ground and communication equipment replacement efforts are reviewed to determine the best method for execution, including vendor qualification and procurement with no development required, develop and/or modify organic depot capabilities with industry. Industry development for ground and communication equipment efforts will be assessed for scope determination on existing contracts to streamline procurement activities, and where needed, competitive source selections will be executed. Nuclear Surety Cross Check Analysis (NSCCA) and Independent Verification and Validation (IV&V) efforts are contracted separately. Nuclear Surety and Vulnerability analysis requirements are covered in the Acquisition Strategy.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672983 / MM Ground and Comm Equipment					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) EMD	SS/CPAF	Select Engineering Serv : Layton, UT	0.000	3.384	Feb 2025	-		3.719	Oct 2025	-		3.719	-	-	-
Subtotal			0.000	3.384		-		3.719		-		3.719	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) Test & Evaluation	PO	LDTO : Arnold AFB	0.000	0.100	Jun 2025	-		0.130	May 2026	-		0.130	-	-	0.000
Subtotal			0.000	0.100		-		0.130		-		0.130	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) A&AS	C/FP	BAE : Layton, UT	0.000	0.619	Jul 2025	-		1.237	Jan 2026	-		1.237	-	-	-
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) PSC	Various	Various : Various	0.000	0.012	Jul 2024	-		0.347	Oct 2025	-		0.347	-	-	0.000
Subtotal			0.000	0.631		-		1.584		-		1.584	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons					Project (Number/Name) 672983 / MM Ground and Comm Equipment					
		Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	4.115		-		5.433		-		5.433	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons		
			Project (Number/Name) 672983 / MM Ground and Comm Equipment		

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MM Ground and Comm Equipment																												
FRBP ESS-R Engineering & Manufacturing Development Phase																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672983 / MM Ground and Comm Equipment	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MM Ground and Comm Equipment				
FRBP ESS-R Engineering & Manufacturing Development Phase	1	2024	1	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force									Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
672984: MM III Baseline Support	0.000	28.617	48.517	79.742	0.000	79.742	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
This program, BA 7, PE 0101213F, project 672984, LGM-30G Higher Authority Communication Test System (HACTS) 2.0, is a new start.												
This program, BA 7, PE 0101213F, project 672984, LGM-30G Arm/Disarm Switch Replacement (ADSR), is a new start.												
Project 672984, LGM-30G Arm/Disarm Switch Replacement (ADSR), is expected to complete EMD by 4QFY2026.												
A. Mission Description and Budget Item Justification												
Minuteman III (MM III) Baseline Support program replaces or upgrades obsolete/unsupportable flight test unique equipment installed on the missile during flight test, used to test MM III systems on the ground, or located at test facilities to collect, process, and analyze test data. Flight test equipment supports test and evaluation of MM III capabilities, and MM III Operational Test Launches (OTLs) to determine ICBM force readiness, reliability, and capability shortfalls.												
Efforts include development, qualification, integration and testing of replacement equipment such as LGM-30G Flight Test, Telemetry, and Termination System (FT3); LGM-30G Higher Authority Command Test System (HACTS) 2.0; LGM-30G Little Mountain Test Facility (LMTF), and LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP). As other similar equipment is identified for replacement, it will be added to this program.												
MM III Baseline Support also provides for other MM III unique government costs, studies of system performance, contract closeout costs, cost trades and acquisition planning activities, up to and including proposal preparation, to meet Capability Development Document requirements in an evolving threat landscape by leveraging advanced technologies. MM III Baseline Support also includes unforeseen costs arising for various reasons for programs from prior President's Budgets.												
The FY2026 request was reduced by \$1.864 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 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, 0.000M was expended for civilian pay expenses. 0.000M is forecasted in FY2025 for civilian pay expenses.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Little Mountain Test Facility (LMTF)									0.000	0.000	9.407	
Description: To fund test activities, equipment development, integration, and purchases along with associated indirect costs in support of the Air Force Nuclear Weapons Center (AFNWC) portfolio, Department of Defense (DoD) and Department of Energy												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>		Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>(DOE) programs, and other partners. The LMTF requires test capability modernization and updates to meet increasing nuclear hardness test customer needs. Equipment is outdated and has exceeded useful life. Growing nuclear enterprise requirements are driving required updates to test capabilities such as restoration and expanded infrastructure and prompt gamma testing equipment development and procurement. LMTF requires test capability modernization to ensure test capabilities and facilities meet sustainment, modernization, and mission requirements. 14MeV requirements have been delayed based on primary customer delays.</p> <p>FY 2025 New Start authorized through Full-Year Continuing Appropriation and Extensions Act, 2025 with work now beginning in FY 2026 given delay in EMD contract award.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: Develop additional test capability for current and future nuclear enterprise Little Mountain Test Facility Large Flash X-Ray customers requiring current and upgraded capabilities with the Advanced Radiation Environment Simulator (ARES) test system. Program office will begin and refine test system requirements and prepare for Prime integration and award with sub-contractors. -Preliminary Design Review (PDR) Jan 2026 -Critical Design Review preparation (CDR) Jun 2026</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: FY26 contract award ramp up in support of ARES.</p> <p>FY 2025 New Start authorized through Full-Year Continuing Appropriation and Extensions Act, 2025 with work now beginning in FY 2026 given delay in EMD contract award.</p>					
<p>Title: Stage 1 Battery Replacement (SOBR)</p> <p>Description: The current Stage 1 (SE-13G) battery has exceeded its projected shelf life and recent aging surveillance testing shows adverse impacts to reliability and availability. As a result, the batteries are not expected to last for the extended MM III lifespan. This program will replace the aging silver zinc Stage 1 battery utilizing newer technologies to develop and produce a thermal battery to extend the MM III lifespan through the transition period to Sentinel.</p> <p>FY 2025 Plans: FY25 Plan with FY24 and FY25 Funding - EMD contract award for development of new battery</p> <p>FY 2026 Plans:</p>			4.671	3.171	15.527

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<ul style="list-style-type: none"> - Milestone B completion - Preliminary Design Review (PDR) - EMD ramp-up accounts for three (3) vendors conducting requirements review, initial design concept, and engineering analysis towards developing a fit/function replacement Stage 1 booster thermal battery <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to ramp up of EMD activities with 3 contractors.</p>			
<p>Title: LGM-30G Flight Test Telemetry and Termination System (FT3)</p> <p>Description: The FT3 Program replaces the Mod 7 Instrumentation Wafer and associated Signal Conditioner Monitor Group, and All Ordnance Destruct System (AODS) with a flight test kit. In addition, a replacement of the Launch Support System (LSS) is required to deploy the flight test kit. The flight test kit consists of the Flight Destruct System (FDS) and an Integrated Instrumentation System (IIS). In addition, replacement of the IIS is necessary to meet Space Launch Delta 30th Space Wing Range Safety and Air Force Global Strike Command (AFGSC) requirements and resolve obsolescence concerns/issues.</p> <p>The AODS, Mod 7 Instrumentation Wafer, and LSS include components that are not economically available, are no longer compliant with applicable range safety requirements, or are in need of technical modernization. Replacement of the Vandenberg Space Force Base (VSFB) flight test unique equipment is necessary to sustain future AFGSC Operational Test Launches (OTL), which support US Strategic Command requirements starting in FY22. The OTLs are critical to validating the continued accuracy and reliability of the MM III weapons system until the Sentinel is fielded by providing valuable data to ensure a safe, secure, and effective nuclear deterrent. The FT3 systems will perform the same function as the existing systems with upgraded design features in order to comply with U.S. Space Force Range Safety User Requirements, Range Commander's Council (RCC) 319, Flight Termination Systems Commonality Standard, and RCC 324, Global Positioning and Inertial Measurements Range Safety Tracking Systems' commonality standard.</p> <p>In February 2020, the FT3 program began executing a rapid fielding plan to meet a requirement to be first launch ready, September 2022. A successful first flight (GT 244) occurred on 7 September 2022. Rapid Fielding execution increased concurrency of technical milestones, delaying some noncritical activities to be completed after the first flight.</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> • Take Delivery of LRIP item 8. • Continue to support LRIP flights 6-8 (GT 251 - GT 253). • Complete remaining technical orders. • Complete component redesign/requalification. <p>FY 2026 Plans:</p>		10.398	22.109
			16.544

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none">• Close out redesign/requalification engineering activities and obtain critical engineering data approval.• Contract closeout. <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>Funding decreases due to close out of redesign/requalification engineering activities, critical engineering data approval and contract close-out actions.</p>				
<p>Title: LGM-30G Higher Authority Communication Test System (HACTS) 2.0</p> <p>Description: The MM III HACTS 2.0 program replaces obsolete/unsupportable communication system test equipment located at test facilities. HACTS laptops are past their vendor support life and require battery replacement. Due to its battery being non-user serviceable, the need for battery factory service makes the laptop units candidates for replacement. Although the HACTS laptop processor is "ruggedized", its design life is only approximately four years. The replacement must be compatible with operating system updates as mandated by the Risk Management Framework. Incorporating the Weapons System Console Equipment Simulator into the HACTS enables a single hardware platform to execute both software functions, thus reducing the number of hardware devices the Government must maintain. The EMD phase will produce two refurbished units.</p> <p>FY 2025 Plans:</p> <p>-Preliminary Design Review (PDR)</p> <p>FY 2026 Plans:</p> <p>- Critical Design Review (CDR)</p> <p>- Complete five site visits to ensure compatibility with legacy HACTS (1.0) to inform design of next generation (2.0)</p> <p>- Begin assembly of 2 EMD units (without EMD circuit card assemblies)</p> <p>- Generate Software Development Test (SDT) and Systems Integration Test (SIT) test plans and procedures</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>This is an FY26 new start.</p> <p>Acquisiton strategy update from software only to full hardware refresh and software development effort accounting for Sentinel delays.</p>		0.281	0.000	10.658
<p>Title: LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP)</p> <p>Description: The DRSERP program ensures the sustainment of MM III through end-of-life and transition to Sentinel. The current Reentry System/Reentry Vehicle (RS/RV) depot test suite will not sustain MM III through end-of-life; several items have obsolescence issues. This program will develop and procure a replacement for the Low Frequency Instrumentation Console (LFIC), Radio Frequency Instrumentation Console (RFIC), Test Control Station (TCS) and Interface Adapter Systems (IASs) with new Test Program Sets (TPSs).</p>		0.000	18.237	22.106

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: • Milestone B (Apr 2025). • Award Engineering and Manufacturing Development contract (Jul 2025). • Develop replacement for Low Frequency Instrumentation Console (LFIC), Radio Frequency Instrumentation Console (RFIC), Test Control Station (TCS) and Interface Adapter Systems (IASs) with new Test Program Sets (TPSs). FY 2026 Plans: - Mk12A Test Program Set (TPS) undergoing Preliminary Design Review (PDR) (Aug 2026) to meet design requirements - HW buy for MK12A TPS FY 2025 to FY 2026 Increase/Decrease Statement: - Funding increased due to contract award anticipated in Q4FY25. FY25 funding covers approximately three months, while FY26 funding covers a full 12 months.				
Title: LGM-30G Arm/Disarm Switch Replacement (ADSR) Description: The ADSR program designs, develops, fabricates and tests replacements for the aging Arm/Disarm (A/D) switches currently on the MM III Missile fleet. The A/D switch is responsible for completing or interrupting ordnance electrical circuits. A/ D switches are placed at five key locations in the system: Interstage I-II, Stage II Liquid Injection Thrust Vector Control (LITVC) and Roll Control, Interstage II-III, PSRE Staging, and PSRE Isolation Valves. Aging and surveillance is an ongoing study to generate a trade-off curve between liability/availability and cost. Reliability/availability are monitored by periodic testing to discover unforeseen issues. Because not all existing A/D switches can be repaired/refurbished, the number in inventory will eventually be inadequate to meet the need of the programmed depot maintenance cycle. Supply is estimated to deplete by approximately FY24 with repair/refurbish mitigation. Repair/refurbish is a reliable mitigation plan to meet the ongoing needs of the fleet while a manufacturer is selected and the manufacturing system is selected to develop a replacement A/D switch that meets requirements and production quantities through 2036. EMD extended driven by failures experienced during qualification testing. FY 2025 Plans: Continuing Qualification Testing initially funded in FY23. FY 2026 Plans: • Continuing qualification testing to finalize development effort. • Milestone C decision anticipated for Q4FY26. FY 2025 to FY 2026 Increase/Decrease Statement: Increase due to FY26 New Start funding.		-	0.000	0.500
Title: LGM-30G Baseline Support		13.267	5.000	5.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
<p>Description: This program provides for other MM III unique government costs, studies of system performance, contract closeout costs, cost trades, and acquisition planning activities, up to and including proposal preparation, for future capabilities.</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none">• Conduct studies of system performance.• Conduct cost trades and acquisition planning activities, up to and including proposal preparation, technology for future capabilities. <p>FY 2026 Plans:</p> <ul style="list-style-type: none">• Continue to conduct studies of system performance.• Continue to conduct cost trades and acquisition planning activities, up to and including proposal preparation, technology for future capabilities. <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>No change to funding, continuation of support for program activities and EMD contract closeout actions.</p>												
Accomplishments/Planned Programs Subtotals										28.617	48.517	79.742
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• MPAF 03 Line Item	0.000	0.000	10.954	-	10.954	-	-	-	-	-	-	
M30MLG: MM III Modifications												
• MPAF 01 00099L: Missile Replacement Eq-Ballistic	0.000	11.032	9.166	-	9.166	-	-	-	-	-	-	
• MPAF 04 000999: Initial Spares/Repair Parts	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-	
• MPAF 04 Line Item 00098A: Msl Sprs/Repair Parts (Initial)	38.157	44.518	42.873	-	42.873	-	-	-	-	-	-	
Remarks												
-Congressional add of \$10.0M to Baseline Support FY 2024 Major Thrusts; \$5.0M program increase for multi-domain command and control (Air Force Research Laboratory) and \$5.0M program increase for software modernization for air logistics.												
D. Acquisition Strategy												
Baseline Support efforts are reviewed to determine the best method for execution, including vendor qualification and procurement with no development required, develop and/or modify organic depot capabilities with industry. Industry development for baseline support efforts will be assessed for scope determination on existing												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support
<p>contracts to streamline procurement activities, and where needed, competitive source selections will be executed. Nuclear Surety Cross Check Analysis (NSCCA) and Independent Verification and Validation (IV&V) efforts are contracted separately. Nuclear Surety and Vulnerability analysis requirements are covered in the Acquisition Strategy.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Stage 1 Battery (SOBR)	C/CPIF	Hill AFB : Clearfield, UT	0.000	4.671	Sep 2025	1.410	Apr 2026	12.975	May 2026	-		12.975	-	-	-
LGM-30G Flight Test Telemetry and Termination System (FT3) TMRR/EMD	C/CPIF	Boeing : Clearfield, UT	0.000	10.063	Nov 2023	20.120	Mar 2025	15.394	Aug 2026	-		15.394	-	-	387.071
LGM-30G Higher Authority Command Test System (HACTS) 2.0	SS/CPIF	General Dynamics : Dedham, MA	0.000	-		-		9.430	Mar 2026	-		9.430	-	-	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) EMD	MIPR	Not specified. : WP AFB, OH	0.000	-		16.389	Jul 2025	18.353	Mar 2026	-		18.353	-	-	-
LGM-30G Little Mountain Test Facility (LMTF)	SS/CPFF	Boeing : Clearfield, UT	0.000	-		0.000	Dec 2025	9.407	Dec 2025	-		9.407	-	-	-
LGM-30G Arm DisarmSwitch Replacement(ADSR)	C/CPFF	EBAD : Moorpark, CA	0.000	-		-		0.500	Feb 2026	-		0.500	-	-	12.190
Subtotal			0.000	14.734		37.919		66.059		-		66.059	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Flight Test Telemetry and Termination System (FT3) Support	C/Various	Various : Clearfield, UT	0.000	0.144	Jun 2024	-		0.000	Sep 2026	-		0.000	-	-	-
Subtotal			0.000	0.144		-		0.000		-		0.000	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Stage 1 Battery (SOBR) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	-		0.093	Jul 2025	0.815	Oct 2025	-		0.815	-	-	-
LGM-30G Flight Test Telemetry and Termination System (FT3) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	0.109	Jun 2024	0.200	Feb 2025	0.100	Nov 2025	-		0.100	-	-	-
LGM-30G Baseline Support Lead Developmental Test Organizatoin	MIPR	AEDC/TST : AAFB, TN	0.000	-		0.200	Mar 2025	-		-		-	-	-	-
LGM-30G Higher Authority Command Test System (HACTS) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	-		-		0.005	Nov 2025	-		0.005	-	-	-
Subtotal			0.000	0.109		0.493		0.920		-		0.920	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Flight Test Telemetry and Termination System (FT3) PSC	Various	Various : Various	0.000	0.045	Jun 2024	0.189	Sep 2025	1.050	Jan 2026	-		1.050	-	-	-
LGM-30G Stage 1 Battery (SOBR) A&AS	C/FFP	Various : Clearfield, UT	0.000	-		0.780	May 2025	0.268	Jan 2026	-		0.268	-	-	-
LGM-30G Stage 1 Battery (SOBR) PSC	C/CPAF	Various : Various	0.000	-		0.888	Mar 2025	1.469	May 2026	-		1.469	-	-	-
LGM-30G Flight Test Telemetry and Termination System (FT3) A&AS	C/FFP	Various : Clearfield, UT	0.000	0.037	Nov 2024	1.600	Feb 2025	-		-		-	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) PSC	C/CPAF	Various : Various	0.000	-		0.484	Mar 2025	2.359	Mar 2026	-		2.359	-	-	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) A&AS	C/FFP	Various : Clearfield, UT	0.000	-		1.364	May 2025	1.394	Jun 2026	-		1.394	-	-	-
LGM-30G Higher Authority Command Test System (HACTS) 2.0 A&AS	C/FFP	Various : Clearfiled, UT	0.000	0.281	Mar 2025	-		0.504	Apr 2026	-		0.504	-	-	-
LGM-30G Higher Authority Command Test System (HACTS) 2.0 PSC	C/CPAF	Various : Various	0.000	-		-		0.719	Jul 2026	-		0.719	-	-	-
LGM-30G Baseline Support PSC	C/CPAF	Various : Various	0.000	13.267	Mar 2024	4.600	Jan 2025	5.000	Dec 2025	-		5.000	-	-	-
LGM-30G Baseline Support A&AS	C/CPFF	Various : Clearfield, UT	0.000	-		0.200	Mar 2025	-		-		-	-	-	-
Subtotal			0.000	13.630		10.105		12.763		-		12.763	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	28.617		48.517		79.742		-		79.742	-	-	N/A
Remarks															
- Congressional add of \$10M include in Baseline Support FY2024															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
3600 / 7		PE 0101213F / Minuteman Squadrons		672984 / MM III Baseline Support	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MM III Baseline Support																												
FT3 Engineering and Manufacturing Development (EMD) Phase																												
FT3 Production and Deployment (P&D) Phase																												
HACTS 2.0 Milestone B (Jul 2024)																												
HACTS 2.0 EMD Phase (Sep 2024)																												
SOBR Milestone B (Mar 2026)																												
SOBR EMD Phase (Jul 2025)																												
DRSERP Milestone B (Apr 2025)																												
DRSERP EMD (Jul 2025)																												
ADSR Engineering and Manufacturing Development Phase																												
ADSR Milestone C (Jul 2026)																												
LMTF Contract Award (April 2026)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MM III Baseline Support				
FT3 Engineering and Manufacturing Development (EMD) Phase	1	2024	4	2026
FT3 Production and Deployment (P&D) Phase	1	2024	1	2030
HACTS 2.0 Milestone B (Jul 2024)	4	2024	4	2024
HACTS 2.0 EMD Phase (Sep 2024)	4	2024	2	2028
SOBR Milestone B (Mar 2026)	2	2026	3	2026
SOBR EMD Phase (Jul 2025)	4	2025	1	2028
DRSERP Milestone B (Apr 2025)	3	2025	3	2025
DRSERP EMD (Jul 2025)	4	2025	4	2030
ADSR Engineering and Manufacturing Development Phase	1	2024	4	2026
ADSR Milestone C (Jul 2026)	4	2026	4	2026
LMTF Contract Award (April 2026)	3	2026	3	2026

Note

FT3 Program:

- FT3 Acquisition Strategy drives an overlap in the EMD and P&D phases. FT3 uses RDT&E to fund LRIP units. The order of replenishment spares overlaps with EMD to deliver spares at a rate that keeps pace with consumption.
- Redesign and Requalification change order extends the period of performance through 4QFY2026.
- P&D Phase will end when the first full-rate production unit is delivered and P&D exit criteria are met (1QFY2030).
- Operations and Support phase started when FT3 systems sustainment activities began (2QFY2023).
- Sustainment includes LSS and associated FT3 support equipment (APPN 3400) through the life of MM III OTL Program.
- Plan is to purchase up to 20 replenishment spares (up to 4 per year through 2030) which will support the MM III OTL mission.

HACTS 2.0:

- HACTS 2.0 program re-phase and strategy change. EMD Awarded 29 August 2024.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
672985: MM Support Equip	0.000	9.000	10.803	20.857	0.000	20.857	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Minuteman (MM) III Support Equipment program designs, develops, and tests replacement of obsolete/non-serviceable weapon system support equipment. These programs will also implement processes, procedures, and data systems to mitigate the transition risk from MM III to Sentinel. Efforts include design, development, and testing of support equipment such as LGM-30G MM III Acquisition of Transportation & Handling (MATH), MM III Acquisition of Transportation & Handling Support Equipment (MATH SE) effort, and Missile Transporter Acquisition Procurement (MTAP) efforts. MM Support Equipment also includes unforeseen costs arising for various reasons for programs from prior President's Budgets.

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, 0.000M was expended for civilian pay expenses. 0.000M is forecasted in FY2025 for civilian pay expenses.

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

	FY 2024	FY 2025	FY 2026
Title: LGM-30G MM III Missile Transporter Acquisitions Program (MTAP)	0.000	6.266	12.464
Description: The MTAP effort modernizes the missile transporter (MT) fleet to address known obsolescence, update the Technical Data Package (TDP), procure new MT units, and provision spares where none exist. This modernization effort ensures that the MT fleet is poised to transport the LGM-30G downstage until the MM III weapon system reaches its projected end of life.			
FY 2025 Plans: - EMD Contract Award			
FY 2026 Plans: - TDP Updates - System Requirements Review (SRR) - System Functional Review (SFR) - Preliminary Design Review (PDR)			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to the ramp up in work on the EMD contract. Specific activities include: <ul style="list-style-type: none"> • Kick-off Meeting • Baseline review • Technical interchange meetings • SRR/SFR prep work 			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025				
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons			Project (Number/Name) 672985 / MM Support Equip					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
• SRR/SFR milestone scheduled to occur during late Q2 or Q3FY26											
Title: LGM-30G MM III Acquisition of Transportation and Handling and Support Equipment (MATH)							9.000	4.537	8.393		
Description: The MATH program ensures the sustainment of the MM III weapons system and concurrent transition to Sentinel without any disruption to the nuclear deterrence mission. The current transportation and handling (T&H) equipment will not sustain MM III through end of life. The current T&H TDP is out of date; several items have obsolescence issues. Engineering is needed to provide adequate and complete technical data to support acquisition of MM III T&H equipment. Items include the following: a. Propulsion System Rocket Engine (PSRE) semi-trailer (PST); b. PSRE tractor; c. Rocket Motor semi-trailer (RMS); d. Support Equipment (SE). FY 2025 Plans: FY25 Plan with FY24 and FY25 Funding - Award EMD Contract FY 2026 Plans: EMD Phase: -(PDR) Preliminary Design Review -(SRR) Systems Requirements Review FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to the overall increase to the project cost due to the larger scope of identified obsolescence and associated testing											
Accomplishments/Planned Programs Subtotals							9.000	10.803	20.857		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 01 Line Item 00099L: Missile Replacement Eq- Ballistic	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-
Remarks											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672985 / MM Support Equip
<p>D. Acquisition Strategy</p> <p>Support and test equipment efforts are reviewed to determine the best method for execution, including vendor qualification and procurement with no development required, develop and/or modify organic depot capabilities, or development with industry. Industry development efforts for support equipment will be assessed for scope determination on existing contracts to streamline procurement activities, and where needed, competitive source selections will be executed. Nuclear Surety Cross Check Analysis (NSCCA) and Independent Verification and Validation (IV&V) efforts are contracted separately. Nuclear Surety and Vulnerability analysis requirements are covered in the Acquisition Strategy.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MM III Missile Transporter Acquisition Procurement (MTAP)	SS/CPFF	NG : Clearfield, UT	0.000	-		5.062	Sep 2025	10.997	Feb 2026	-		10.997	-	-	-
MM III Transportation/ Handling (MATH)	C/CPFF	HDT : TBD	0.000	7.678	Sep 2025	3.064	Mar 2026	7.437	Sep 2026	-		7.437	-	-	-
Subtotal			0.000	7.678		8.126		18.434		-		18.434	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MM III Transportation/ Handling MATH	PO	LDTO : HILL AFB, UT	0.000	0.114	Jan 2025	0.150	Feb 2026	0.106	Dec 2026	-		0.106	-	-	-
MM III Missile Transporter Acquisition Procurement MTAP	PO	LDTO : HILL AFB, UT	0.000	-		0.064	Jun 2025	0.049	Mar 2026	-		0.049	-	-	-
Subtotal			0.000	0.114		0.214		0.155		-		0.155	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MM III Missile Transporter Acquisition Procurement MTAP A&AS	C/FFP	BAE : Hill AFB, UT	0.000	-		0.502	Jun 2025	0.819	Jan 2026	-		0.819	-	-	-
MM III Missile Transporter Acquisition Procurement MTAP PSC	Various	Various : Various	0.000	-		0.638	Mar 2025	0.599	Jan 2026	-		0.599	-	-	-
MM III Transportation/ Handling MATH PSC	Various	Various : Various	0.000	0.252	Jun 2025	0.679	Mar 2025	0.522	Feb 2026	-		0.522	-	-	-
MM III Transportation/ Handling MATH A&AS	C/FFP	BAE : Hill AFB, UT	0.000	0.956	Feb 2025	0.644	Jan 2025	0.328	Jan 2027	-		0.328	-	-	-
Subtotal			0.000	1.208		2.463		2.268		-		2.268	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons					Project (Number/Name) 672985 / MM Support Equip				
		Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		0.000	9.000		10.803		20.857		-		20.857	-	-	N/A

Remarks
EMD award Sept 2025. EMD phase 48 months

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MM Support Equipment																												
MATH Milestone B (Feb 2025)																												
MATH Engineering and Manufacturing Development (EMD) Phase (Sept 2025)																												
MTAP Milestone B (July 2025)																												
MTAP EMD Phase (Sept 2025)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672985 / MM Support Equip	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MM Support Equipment				
MATH Milestone B (Feb 2025)	2	2025	2	2025
MATH Engineering and Manufacturing Development (EMD) Phase (Sept 2025)	4	2025	1	2029
MTAP Milestone B (July 2025)	4	2025	4	2025
MTAP EMD Phase (Sept 2025)	4	2025	2	2029

Note

- MATH Program:
- Updates made to reflect delays awarding contract. After determining the incomplete nature of the MATH TDP, the program revectorred its initial contract approach from Full & Open to sole source. Additionally, the team discovered all docs required for the request for proposal (RFP) needed a complete overhaul to support a stronger contract. The program's Sole Source Justification and Authorization was signed and approved on 1 November 2023. A final RFP was released to the contractor in December 2023, with a response received in March 2024. Contract award anticipated in Sept 2025.
- MTAP Program:
- ASP briefed on 12 Feb 25
 - Draft RFP released to contractor on 4 March 25. RFP released on 1 May 25
 - Contract award anticipated in late Sept 25

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101316F I Worldwide Joint Strategic Communications							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	23.522	13.690	24.081	0.000	24.081	-	-	-	-	-	-
671820: Strategic Automated Command and Control System	0.000	23.522	13.690	24.081	0.000	24.081	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Worldwide Joint Strategic Communication efforts include Nuclear Command, Control, and Communications (NC3) systems to include the Defense Injection Reception Emergency Action Message (EAM) C2 Terminals (DIRECT) and the Strategic Automated Command and Control System (SACCS). Funding may be used to modernize these, and other, NC3 systems. Funding may also be used for research, testing, validation, certification, configuration management, and assessment of the Air Force NC3 Weapon System.

SACCS is a dedicated, high speed, multi-level secure, data transmission, processing, and display system. SACCS provides the primary non-survivable command and control capability for receiving and disseminating secure Emergency Action Messages (EAM), Force Direction Messages (FDM), Force Status Reporting (FSR), and exchanging information type messages from USSTRATCOM. SACCS provides messages for effective deployment of strategic bombers, reconnaissance aircraft, mobilization aircraft, tanker support aircraft, and the Intercontinental Ballistic Missile (ICBM) force to include Minuteman III (MM III) and Sentinel.

SACCS has equipment that has reached its end of life and is no longer repairable due to diminished manufacturing sources and parts obsolescence. This jeopardizes Air Force Global Strike Command's (AFGSC) ability to meet mission requirements as required by Chairman Joint Chiefs of Staff Nuclear Technical Performance Criteria and Operational Standards (CJCSI 6811.01). In order to mitigate the risk of SACCS inability to operate once the current spares are completely diminished and ensure the system remains secure against modern/future threats, the Air Force is developing a replacement system (SACCS-R). SACCS-R is currently pursuing Technology Maturation and Risk Reduction (TMRR) efforts to transition from Time-Division Multiplexing (TDM) to Internet Protocol (IP) architecture, monitor and secure the new IP-based network, and provide requisite support to Sentinel fielding plans.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver SACCS capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024 0.000M was expended for civilian pay expenses in this program element, and in FY 2025 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101316F I Worldwide Joint Strategic Communications				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	24.653	13.690	24.161	0.000	24.161	
Current President's Budget	23.522	13.690	24.081	0.000	24.081	
Total Adjustments	-1.131	0.000	-0.080	0.000	-0.080	
• 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	-0.314	0.000				
• SBIR/STTR Transfer	-0.817	0.000				
• Other Adjustments	0.000	0.000	-0.080	0.000	-0.080	
Change Summary Explanation No Significant Changes						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: SACCS Replacement				23.522	13.690	24.081
Description: Design and develop replacement Strategic Automated Command Control System (SACCS-R). Transition architecture from Time Division Multiplexing to Internet Protocol (TDM-IP). Replace legacy components with supportable networking and information system hardware. The new system mitigates cybersecurity risks; improves Mean Time Between Failure rates; improves reliability and availability; improves user interface; decreases annual sustainment costs; addresses Diminishing Manufacturing Sources and Material Shortages and obsolescence challenges; supports a bridge connection to Sentinel through Sentinel NC3 Terrestrial Integration (SNTI); and supports meeting the Chairman Joint Chiefs of Staff Nuclear Technical Performance Criteria and Operational Standards (CJCSI 6811.01).						
FY 2025 Plans: Continue development of on-going capabilities and begin development of additional modernization capabilities. Each capability may result in competitive industry contract. -Continue to develop and deliver connectivity via Air Force and Defense Information Systems Agency (DISA) networks and interfacing tools. -Continue to develop and perform circuit verifications to modernize network management. -Continue development of the SACCS Network Operations Center/Security Operations Center (NOC/SOC). -Begin development of modernized design of mainframes. -Continue design efforts to facilitate Sentinel implementation.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force							Date: June 2025				
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 0101316F / <i>Worldwide Joint Strategic Communications</i>							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
-Continue support and implementation of Risk Management Framework (RMF) policies and procedures. <i>FY 2026 Plans:</i> Continue development of on-going capabilities and begin development of additional modernization capabilities. Each capability may result in competitive industry contract. -Continue to develop and deliver connectivity via Air Force and Defense Information Systems Agency (DISA) networks and interfacing tools. -Continue to develop and perform circuit verifications to modernize network management. -Continue development of the SACCS Network Operations Center/Security Operations Center (NOC/SOC). -Continue development of modernized design of mainframes. -Continue design efforts to facilitate Sentinel implementation. -Begin design efforts to modernize network nodes. -Continue support and implementation of Risk Management Framework (RMF) policies and procedures. <i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Increase is due to escalation with the continued work on the on-going connectivity, circuit verification, NOC/SOC, and Sentinel efforts. In addition to buying materials for the NOC/SOC and mainframe modernization efforts, and the modernizing of the network nodes.											
Accomplishments/Planned Programs Subtotals							23.522	13.690	24.081		
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 PE 0101316F: <i>Strategic Command and Control (833140)</i>	25.096	26.859	45.696	-	45.696	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy Programmed funds continue to support TMRR efforts. The program is using organic support from the 595 SCS and 38 CEIG to conduct current TMRR efforts. AFGSC/A5 is coordinating a draft IS-ICD for validation. The program is preparing for an acquisition strategy update including acquisition pathway selection to implement the IS-ICD upon validation, with development to continue in FY26.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101316F / <i>Worldwide Joint Strategic Communications</i>						Project (Number/Name) 671820 / <i>Strategic Automated Command and Control System</i>			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Prime Contract Development	Various	Various : Various	-	19.691	Nov 2023	8.271	Oct 2024	10.957	Nov 2025	-		10.957	-	-	0.000
Subtotal			-	19.691		8.271		10.957		-		10.957	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Engineering Development	Various	Various : Various	-	1.282	Nov 2023	0.660	Nov 2024	4.000	Dec 2025	-		4.000	-	-	0.000
Subtotal			-	1.282		0.660		4.000		-		4.000	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Development Test & Evaluation	Various	Various : Various	-	0.420	Nov 2023	1.341	Nov 2024	0.920	Dec 2025	-		0.920	-	-	0.000
Subtotal			-	0.420		1.341		0.920		-		0.920	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Other Program Support Costs (PSC)	Various	Various : Various	-	0.556	Nov 2023	1.686	Nov 2024	2.204	Oct 2025	-		2.204	-	-	0.000
SACCS-R Integration Support	C/FFP	BAE Systems, Inc. : Hill AFB, UT	-	1.573	Nov 2023	1.732	Nov 2024	6.000	Nov 2025	-		6.000	-	-	-
Subtotal			-	2.129		3.418		8.204		-		8.204	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101316F / Worldwide Joint Strategic Communications						Project (Number/Name) 671820 / Strategic Automated Command and Control System					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	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																	
Costs and services in support of program office management and administration processes such as: program oversight, resource justification, budget and programming, milestone and scheduling--PMA costs.																	
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	23.522		13.690		24.081		-		24.081	-	-	N/A		
Remarks																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101316F / Worldwide Joint Strategic Communications					671820 / Strategic Automated Command and Control System			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Strategic Automated Command and Control System																												
SACCS-R Technology Maturation/Risk Reduction																												
SACCS-R Tailored EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101316F / Worldwide Joint Strategic Communications	Project (Number/Name) 671820 / Strategic Automated Command and Control System

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Strategic Automated Command and Control System				
SACCS-R Technology Maturation/Risk Reduction	1	2024	4	2025
SACCS-R Tailored EMD	1	2026	4	2030

Note
SACCS-R Program replanned to deliver capability incrementally each year.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0101318F I Service Support to STRATCOM - Global Strike							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	7.562	7.330	6.928	0.000	6.928	-	-	-	-	-	-
675368: Global Data Integration (GDI)	0.000	7.562	7.330	6.928	0.000	6.928	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2024, PE 1201017SF, Global Sensor Integrated on Network [GSIN], Project 675368, GSIN [Global Integrated Sensor Network] efforts were transferred to PE 0101318F, Service Support to STRATCOM - Global Strike, Project 675368, Global Data Integration [GDI], in order to facilitate proper execution of funding.

A. Mission Description and Budget Item Justification

The mission of USSTRATCOM is to deter strategic attack through a safe, secure, effective, and credible, global combat capability and, when directed, is ready to prevail in conflict. The command enables Joint Force operations and is the combatant command responsible for Strategic Deterrence, Nuclear Operations, Nuclear Command, Control, and Communications (NC3) Enterprise Operations, Joint Electromagnetic Spectrum Operations, Global Strike, Analysis and Targeting, and Missile Threat Assessment.

USSTRATCOM integrates and coordinates the necessary command and control capability to provide support with the most accurate and timely information for the President, the Secretary of Defense, other national leadership and combatant commanders. The Nation's strategic C2 sensors, and mission planning programs cannot rapidly exchange information across multiple missions creating ambiguity that delays time critical national C2 decision making processes. GDI developed and established a unified schema that integrates disparate Missile Warning/Missile Defense (MW/MD), Technical Intelligence (TI) and other data into a single, exposed data set, providing redundant and unambiguous Situational Awareness data to national leadership. GDI also enables existing radars and sensors to provide data in net-centric formats consumable by other authorized systems and mission areas, thus reducing the need to acquire more systems. Activities also include studies and analysis to support current program planning, execution, and future program planning.

GDI directly supports USSTRATCOM and other Combatant Command and MAJCOM mission sets. GDI meshes together selected systems and sensors (from tactical to strategic), including the Nation's most modern and capable assets, taking advantage of their larger numbers, improved algorithms, mobility, and forward deployment to provide earlier cross-cueing and expanded decision space when every second counts. Repurposing these traditionally stove-piped systems and sensors, GDI enables the warfighter in several ways. GDI enables creation of a User Defined Operating Picture (UDOP) to provide a single, unambiguous missile event picture allowing real-time collaboration for nuclear C2 and improved senior leader situational awareness (SA) for effective decision-making. GDI also improves Space Situational Awareness (SSA) by tapping additional sensor capability and provides this data for the larger space order of battle capabilities. GDI dramatically improves the ingestion of non-traditional, but readily available, non-US government and commercial data to the United States Space Force (USSF) satellite catalog. GDI addresses NORTHCOM/STRATCOM's signed Joint Emergent Operational Need (JEON) ST-0010 request for uninterrupted traditional and non-traditional sensor data integration and the Global Threat Characterization Assessment (GTCA) Operational Planning Team report. Finally, GDI provides Data Analysis functions to optimize and operate situational awareness in the field, including units operating in Denied-Disconnected, Intermittent, Limited (D-DIL) and emissions controlled (EMCON) conditions.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101318F I Service Support to STRATCOM - Global Strike				
Leveraging the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, USSTRATCOM will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose capabilities.						
GDI may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability but the civilian pay is expended from program element 0101890F. 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.						
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		7.562	7.330	6.951	0.000	6.951
Current President's Budget		7.562	7.330	6.928	0.000	6.928
Total Adjustments		0.000	0.000	-0.023	0.000	-0.023
• 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	-0.023	0.000	-0.023
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Radar, Sensor, Technical Intelligence [TI], and Allied Systems				0.647	0.620	0.500
Description: Designs, develops, exposes and integrates data from RADAR, sensors and technical intelligence systems in regions of the world where users may have limited and/or denied coverage. Provide real time data from systems that previously reported in hours or days after critical events. Conduct studies/surveys/meetings as necessary to continually identify systems meeting GDI user data exposure needs and develop implementation plans to mature data exposure capabilities.						
FY 2025 Plans: - Continued net-centric exposure and integration of numerous Foreign sensor systems, with particular focus on INDOPACOM and EUCOM AORs.						
FY 2026 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0101318F / <i>Service Support to STRATCOM - Global Strike</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
- Continued net-centric exposure and integration of numerous Foreign sensor systems, with particular focus on INDOPACOM and EUCOM AORs. FY 2025 to FY 2026 Increase/Decrease Statement: FY26 Decrease is due to streamlined processes and efficiencies gained over time, resulting in lower cost incurred by the government.				
Title: Global Data Integration [GDI] Development Description: Effort title changed from "Global Data Integration (GDI)" to "Global Data Integration [GDI] Development" to differentiate major thrust from new project title. This is not a new start. Develop common Extensible Markup Language [XML] net-enabled data schemas and configuration management processes and procedures for Missile Warning, Missile Defense, Space, MASINT/Technical Intelligence, and Sensor data to manage the XML schema and associated XML messaging and services. Develop technical outreach for potential new GDI data consumers and providers who require GDI sensor data. Continue modifications to data services. Support integration of GDI sensor data into appropriate registries/catalogs. Continue development of GDI data services to enable visualization in a common operating picture. Continue to expand and mature GDI's support to users operating in D-DIL/EMCON environments. FY 2025 Plans: - Continued development, accreditation, and fielding of a redundant dedicated CDS - Integration of Data and Analytics in support of NC3 next-gen - Continued expansion of D-DIL/EMCON environment support - Continued test and evaluation all GDI segments in support of data governance, provenance and discovery FY 2026 Plans: - Integration of Data and Analytics in support of NC3 next-gen - Continued expansion of D-DIL/EMCON environment support - Continued test and evaluation all GDI segments in support of data governance, provenance and discovery FY 2025 to FY 2026 Increase/Decrease Statement: FY26 Decrease is due to an budgetary adjustment to reallocate GDI funds to its original baseline. As well as an reduction incurred due to inflation rates for non-pay and non-fuel purchases		6.915	6.710	6.428
Accomplishments/Planned Programs Subtotals		7.562	7.330	6.928
D. Other Program Funding Summary (\$ in Millions) N/A				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		
R-1 Program Element (Number/Name) PE 0101318F I Service Support to STRATCOM - Global Strike		
D. Other Program Funding Summary (\$ in Millions)		
Remarks		
E. Acquisition Strategy GDI uses existing government contract vehicles whenever available to develop and modernize the combined SDA/MW/MD/MASINT/TI data exposure architecture and solution. When appropriate contracts do not exist or not available to GDI, USSTRATCOM awards new contracts in support of responsive and consistent GDI goals.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101318F / Service Support to STRAT COM - Global Strike						Project (Number/Name) 675368 / Global Data Integration (GDI)			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GDI DATABAHN	Various	Altamira : Various	-	1.340	Aug 2024	1.380	Aug 2025	3.258	Aug 2026	-		3.258	-	-	12.520
GDI FEAST	Various	SciTec : Various	-	0.400	Aug 2024	0.115	Aug 2025	0.115	Aug 2026	-		0.115	-	-	11.100
GDI ACE-M	Various	Various : Offutt AFB, NE	-	3.055	Jul 2024	3.150	Jul 2025	2.555	Jul 2026	-		2.555	-	-	49.680
GD DI	Various	MIT/LL : Various	-	2.120	Oct 2024	2.065	Oct 2025	0.500	Oct 2026	-		0.500	-	-	4.750
Radar, Sensor, Technical Intelligence [TI], and Allied Systems	Various	Various : Various	-	0.647	Nov 2024	0.620	Nov 2025	0.500	Nov 2026	-		0.500	-	-	-
Subtotal			-	7.562		7.330		6.928		-		6.928	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.562		7.330		6.928		-		6.928	-	-	N/A
Remarks															
RADAR, Sensor, Technical Intelligence (TI), and Allied Systems work will focus on net-centric exposure and integration of numerous Foreign sensor systems, with particular focus on INDOPACOM and EUCOM AORs. Timelines and sensor prioritization are notional, based on emerging Warfighter priorities.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101318F / <i>Service Support to STRAT COM - Global Strike</i>			Project (Number/Name) 675368 / <i>Global Data Integration (GDI)</i>

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
DATABAHN																												
Field and accredit redundant dedicated CDS																												
New Sensor Integration (ongoing)																												
FEAST																												
Integration of additional TS/SCI data sources and algorithms																												
Transition capability to partner for sustainment																												
ACE-M																												
Continue to develop and integrate Data-as-a-Service and Analytics-as-a-Service capabilities																												
Expand implementation of D-DIL/EMCON environment support																												
Integration of Data and Analytics in support of NC3 next-gen																												
Transition capability to partner for sustainment																												
DI																												
R&D Proof of Concept																												
Radar, Sensor, Technical Intelligence [TI] and Allied Systems																												
Iterative multi-sensor exposure Design/Development/Production/Fielding																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0101318F / Service Support to STRAT
COM - Global Strike

Project (Number/Name)

675368 / Global Data Integration (GDI)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DATABAHN</i>				
Field and accredit redundant dedicated CDS	4	2024	3	2026
New Sensor Integration (ongoing)	1	2024	4	2030
<i>FEAST</i>				
Integration of additional TS/SCI data sources and algorithms	1	2024	4	2025
Transition capability to partner for sustainment	4	2024	4	2026
<i>ACE-M</i>				
Continue to develop and integrate Data-as-a-Service and Analytics-as-a-Service capabilities	4	2024	1	2027
Expand implementation of D-DIL/EMCON environment support	4	2024	1	2027
Integration of Data and Analytics in support of NC3 next-gen	4	2024	2	2027
Transition capability to partner for sustainment	4	2026	4	2027
<i>DI</i>				
R&D Proof of Concept	1	2024	4	2030
<i>Radar, Sensor, Technical Intelligence [TI] and Allied Systems</i>				
Iterative multi-sensor exposure Design/Development/Production/Fielding	1	2024	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0101328F / ICBM Reentry Vehicles
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	414.401	452.306	392.423	259.605	0.000	259.605	-	-	-	-	-	-
674920: <i>Mk21A Reentry Vehicle</i>	414.401	436.771	376.301	209.709	0.000	209.709	-	-	-	-	-	-
675920: <i>Next Generation Reentry Capabilities</i>	0.000	15.535	16.122	49.896	0.000	49.896	-	-	-	-	-	-

Program MDAP/MAIS Code: 576

A. Mission Description and Budget Item Justification

The Intercontinental Ballistic Missile (ICBM) Reentry Vehicles (RVs) activity will design, develop, produce, and deploy advanced countermeasures and integrated RV systems capable of delivering the W87-1 warhead and future warheads when released from ICBM weapon systems.

The Mk21A program will meet the requirements laid out in the LGM-35A Sentinel weapon system Capability Development Document (CDD) as directed by Air Force Global Strike Command and will provide needed performance and security enhancements over the Mk21 RV to meet the upgraded requirements for the Department of Energy (DOE)/ National Nuclear Security Administration (NNSA) W87-1 warhead. The Mk21A RV includes: shape-stable nose tip; high-impulse transducer; arming and fuzing subsystem (AFS); aeroshell forward section, body section, and rear cover; radio frequency subsystem with antennas; RV spin subsystem; in-flight disconnect cable; and other electrical cables.

The Next Generation Reentry Capabilities (NGRC) program will ensure ICBM weapon systems continue to meet reentry performance requirements in an evolving threat landscape by leveraging advanced technologies matured by the Research & Development (R&D) and ICBM Demonstration/Validation communities in support of the Air Force's Reentry Vehicle Strategy. Future NGRC solutions will include acquisition and integration of complementary advanced countermeasures and Next Generation Reentry Vehicle (NGRV).

The FY 2026 request for ICBM Reentry Vehicles includes 259,605 thousand of discretionary and 100,000 thousand of mandatory (reconciliation) for a total of 359,605 thousand. The mandatory funds continue advancing major RV acquisition activities. Further information for this reconciliation request is provided in Section 20008 (Nuclear) of the Reconciliation Exhibit.

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 elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2024 1.249M was expended for civilian pay expenses in this program element, and in FY 2025 5.104M is forecasted for civilian pay expenses in this program element. All FY 2024 and 2025 civilian pay expenses will be executed in BPAC 675920 - Next Generation Reentry Capabilities.

This program element utilized FY24 4.325M for a Rapid Acquisition Authority requirement.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101328F I ICBM Reentry Vehicles			
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	475.415	629.928	740.334	0.000	740.334
Current President's Budget	452.306	392.423	259.605	0.000	259.605
Total Adjustments	-23.109	-237.505	-480.729	0.000	-480.729
• Congressional General Reductions	-0.008	0.000			
• Congressional Directed Reductions	0.000	-237.505			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-7.447	0.000			
• SBIR/STTR Transfer	-15.654	0.000			
• Other Adjustments	0.000	0.000	-480.729	0.000	-480.729
Change Summary Explanation					
FY 2024 reduced 15.654 million for Small Business Innovative Research (SBIR) and -7.447 million for reprogramming to AFIPPS and FLITES efforts.					
FY 2025 Congressional reduction of -39.209 million for program carryover, -78.433 million for EMD integration delays, and -119.9 million undistributed mark.					
FY 2026 decreased to better align the Mk21A program with the LGM-35A Sentinel program.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674920: Mk21A Reentry Vehicle	414.401	436.771	376.301	209.709	0.000	209.709	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Mk21A Reentry Vehicle (RV) program will design, develop, produce, and deploy an integrated RV capable of delivering the W87-1 warhead when released from the LGM-35A Sentinel weapon system. The Mk21A program will provide needed performance and security enhancements over the Mk21 RV to meet the upgraded requirements for the Department of Energy (DOE)/ National Nuclear Security Administration (NNSA) W87-1 warhead, while ensuring the time certain delivery of both the W87-1 and Mk21A programs. The Mk21A will also meet the requirements laid out in the LGM-35A Sentinel weapon system Capability Development Document (CDD) as directed by Air Force Global Strike Command. The Mk21A RV includes: shape-stable nose tip; high-impulse transducer; arming and fuzing subsystem (AFS); aeroshell forward section, body section, and rear cover; radio frequency subsystem with antennas; RV spin subsystem; in-flight disconnect cable; and other electrical cables.

During the Engineering and Manufacturing Development (EMD) phase, the Mk21A program will include prime contractor development of a critical RV design, applicable support equipment, data, flight test hardware, infrastructure, and training materials while examining and mitigating weapon system integration risks, nuclear surety, hardness and certification, and system vulnerability assessments. Additionally, the program, in conjunction with the DOE/NNSA, will develop test assets to ensure the integration and qualification of the Mk21A and W87-1 on the LGM-35A Sentinel weapon system.

IAW 10 USC 4252, this program has not yet fully satisfied the certification requirement that the heatshield technology has been demonstrated in a relevant environment as required prior to Milestone B approval. The Mk21A uses similar materials and process as currently fielded and the program performed a successful flight test in 3QFY24. The program provided a Technology Readiness Level (TRL) update to SAF/AQR in April 2025 after analysis of flight test data was completed; final decision anticipated 3QFY25.

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 elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2024 0.000M was expended for civilian pay expenses in this budget program activity code (BPAC), and in FY 2025 0.000M is forecasted for civilian pay expenses in this BPAC.

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

	FY 2024	FY 2025	FY 2026
Title: Mk21A Engineering & Manufacturing Development (EMD)	436.771	376.301	209.709
Description: The objectives of EMD for Mk21A are as follows: (1) Develop and build a Mk21A RV capable of delivering DOE/NNSA W87-1 (2) Incorporate a modular, open systems architecture (3) Implement Model-Based Systems Engineering (MBSE) enabling the government to own the technical baseline (4) Demonstrate performance of weapon system capabilities through modeling, simulation, and testing of the EMD design			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / <i>ICBM Reentry Vehicles</i>	Project (Number/Name) 674920 / <i>Mk21A Reentry Vehicle</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
(5) Integrate the Mk21A/W87-1 into the LGM-35A Sentinel weapon system			
<p>FY 2025 Plans:</p> <ul style="list-style-type: none"> • Execute EMD contract to continue advancing Mk21A major activities to include systems engineering activities, information technology, data management, analytical capabilities, to deliver a mature, low-risk reentry vehicle design. • Conduct critical design review for RV hardware. • Develop and build test assets supporting the qualification of the Mk21A and W87-1 on the LGM-35A Sentinel weapon system in collaboration with the DOE/NNSA. • Conduct LGM-35A Sentinel integration activities to support delivery of the Mk21A and W87-1. • Conduct ground testing at DOE/NNSA to collect relevant environmental data to feed W87-1 development. • Conduct flight test planning with the LGM-35A Sentinel weapon system. • Conduct activities to mitigate RV and W87-1 development risks, including prototype RV/heatshield flight tests using small launch services through the Space Force Rocket Systems Launch Program (RSLP). • Mature MBSE, enabling the government to own the technical baseline. • Develop, mature, and execute a unified certification strategy which meets nuclear surety, cyber security, and nuclear safety requirements. <p>FY 2026 Plans:</p> <ul style="list-style-type: none"> • Continue to execute EMD contract to continue advancing Mk21A major activities to include systems engineering activities, information technology, data management, analytical capabilities and delivery of mature, low risk reentry vehicle design. • Continue to develop the critical design review for RV hardware. • Continue to develop and build test assets supporting the qualification of the Mk21A and W87-1 on the LGM-35A Sentinel weapon system in collaboration with the DOE/NNSA. • Continue LGM-35A Sentinel integration activities to support delivery of the Mk21A and W87-1. • Continue ground testing at DOE/NNSA to collect relevant environmental data to feed W87-1 development. • Continue flight test planning with the LGM-35A Sentinel weapon system. • Continue flight test of heatshield test vehicle and W87-1 environmental flight test unit on a RSLP Minotaur or similar launch vehicle. • Continue activities to mitigate RV development risks including prototype RV/heatshield flight test. • Continue maturing MBSE enabling the government to own the technical baseline. • Continue to develop, mature, and execute a unified certification strategy which meets nuclear surety, cyber security, and nuclear safety requirements. <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Funding decreased from FY 2025 to FY 2026 due to the delay of LGM-35A Sentinel integration and test activities.												
Accomplishments/Planned Programs Subtotals										436.771	376.301	209.709
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• RDTE 05 PE 0605238F: Ground Based Strategic Deterrent EMD	4,327.250	2,011.024	2,647.563	-	2,647.563	-	-	-	-	-	-	
• RDTE 04 0603851F: Intercontinental Ballistic Missile - Dem/Val	51.948	125.561	90.096	-	90.096	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Mk21A RV program acquisition strategy delivers an integrated RV capable of delivering the W87-1 warhead to target beginning in FY32. For the EMD phase, the Program Office awarded a sole-source cost plus incentive/award fee contract in October 2023. The Air Force is responsible for developing, producing, and maintaining the RV. The DOE/NNSA develops/modifies the nuclear weapon inside the RV, including the Weapon Electrical System, which is the firing set that interfaces with the DoD fuze. Mk21A includes the use of Mk21 Mod 6 aeroshells which were originally developed as test vehicles for the legacy Peacekeeper ICBM and must be modified for use as war reserve aeroshells. Mk21A subsystems include the shape-stable nose tip, high-impulse transducer, arming and fuzing subsystem (AFS), aeroshell forward section/body section and rear cover, radio frequency subsystem, antennas, spin subsystem, and cables.												
The objectives of EMD for Mk21A are as follows: (1) develop and build a Mk21A RV capable of delivering the W87-1 warhead; (2) incorporate a modular, open systems architecture; (3) implement MBSE enabling the government to own the technical baseline; (4) demonstrate performance of weapon system capabilities through prototyping, modeling, simulation, and testing of the EMD design; (5) integrate Mk21A/W87-1 into the LGM-35A Sentinel weapon system.												
The EMD phase includes an EMD contractor update to the Preliminary Design Review, a Critical Design Review, and a Production Readiness Review. Testing includes ground and flight test vehicles which support the integration on LGM-35A Sentinel weapon system. The contractor will convert Mod 6 aeroshells (Mk21) to the Mod 3 configuration (war reserve) RVs and perform integration of the W87-1 with the Mk21A and the LGM-35A Sentinel weapon system. The combined EMD and Production & Deployment contract is a 13-year contract with EMD efforts through 3QFY29.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 674920 / Mk21A Reentry Vehicle
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A EMD Contract	SS/CPIF	Lockheed Martin : King of Prussia, PA	10.399	387.080	Oct 2023	281.167	Oct 2024	114.312	Oct 2025	-		114.312	-	-	-
Mk21A LGM-35A Sentinel Integration Contract	C/CPIF	Northrop Grumman Sys Corp : El Segundo, CA	0.000	0.000	Jul 2025	26.643	Jul 2025	25.848	Jul 2026	-		25.848	-	-	-
Mk21A TMRR Contract	C/CPFF	Lockheed Martin : King of Prussia, PA	273.096	0.000		-		-		-		-	-	-	-
Subtotal			283.495	387.080		307.810		140.160		-		140.160	-	-	N/A

Remarks

- FY25 funding includes EMD and long-lead assets for initial operational test and evaluation units.
- The efforts within this cost category cover both TMRR and EMD phases of the program.
- The EMD contract includes options for low-rate initial production units used for initial operational test and evaluation.

Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A Integration Support: ISC	C/CPAF	TBD : TBD	0.000	-		0.000	Oct 2024	8.444	Oct 2025	-		8.444	-	-	-
Mk21A Other Support	Various	Various : Various	2.235	0.641	Nov 2023	1.086	Nov 2024	1.151	Nov 2025	-		1.151	-	-	-
Mk21A Integration Support: FFRDC/UARC	MIPR	Various : Various	2.473	0.650	Nov 2023	2.698	Nov 2024	2.859	Nov 2025	-		2.859	-	-	-
Mk21A Product Support Business Case Analysis	C/FFP	Serco Inc : Herndon, VA	0.000	0.899	Mar 2024	0.463	Mar 2025	-		-		-	-	-	-
Mk21A Integration Support: ISC 1.0	C/FP	BAE : Hill AFB, UT	14.351	6.633	Oct 2023	7.231	Oct 2024	-		-		-	-	-	-
Mk21A Direct Cite Civilian Pay	Various	US Gov Civilians : Hill AFB, UT	5.211	-		-		-		-		-	-	-	-
Mk21A Fuze Trade Study (TMRR)	MIPR	Sandia National Lab : Albuquerque, NM	1.652	-		-		-		-		-	-	-	-
Subtotal			25.922	8.823		11.478		12.454		-		12.454	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 • Mk21A Other Support includes cost estimation support, information technology support, and government furnished equipment • The efforts within this cost category cover both TMRR and EMD phases of the program.															
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A Test & Evaluation	Various	Various : Various	64.096	22.340	Nov 2023	34.096	Nov 2024	41.520	Nov 2025	-		41.520	-	-	-
Mk21A W87-1 Test and Integration	MIPR	DOE/NNSA : Various	21.200	14.000	Oct 2023	19.197	Oct 2024	9.204	Oct 2025	-		9.204	-	-	-
Mk21A Test Support	Various	Various : Various	1.354	1.327	Oct 2023	1.243	Oct 2024	1.541	Oct 2025	-		1.541	-	-	-
Mk21A Test & Evaluation: Air Force and DOE/NNSA Demonstrator Initiative (ANDI) (TMRR)	MIPR	Various : Various	13.953	-		-		-		-		-	-	-	-
Subtotal			100.603	37.667		54.536		52.265		-		52.265	-	-	N/A
Remarks • The Mk21A Test Support line includes developing ground and flight test plans to support development of prototype test vehicles and conduct flight test(s). The test plans will support testing providing detailed, reliable data to inform EMD and informing Mk21A development and risk reduction, and DOE/NNSA for the W87-1 development. • The Mk21A Test & Evaluation line includes incremental funding to launch RV prototypes on Rocket Systems Launch Program (RSLP) missiles. The incremental funding allows contracts to be established for support and the build-up of the flight test vehicles and missiles in order to meet Prototype RV Flight Tests #3 and #4. • Prototype RV Flight Test #2 costs in FY23 and FY24 were shared between the Mk21A and ICBM Demonstration/Validation program elements to meet combined interests. • Mk21A Test & Evaluation: Air Force and DOE/NNSA Demonstrator Initiative (ANDI) is a former ICBM Demonstration/Validation study that was transitioned to the Mk21A program office. The ANDI effort spanned over FY20, FY21, and FY22. • The efforts within this cost category cover both TMRR and EMD phases of the program.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A Program Support Costs	C/Various	Various : Various	4.381	3.201	Nov 2023	2.477	Nov 2024	4.830	Nov 2025	-		4.830	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			4.381	3.201		2.477		4.830		-		4.830	-	-	N/A
Remarks															
<ul style="list-style-type: none">Increasing costs from FY 2024 to FY 2026 reflect the ramp-up of EMD and associated administrative costs.The efforts within this cost category cover both TMRR and EMD phases of the program.Management services item Mk21A Program Support Costs changed from Mk21A Program Management Administration in FY 2025.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			414.401	436.771		376.301		209.709		-		209.709	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																Date: June 2025			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0101328F / ICBM Reentry Vehicles								674920 / Mk21A Reentry Vehicle			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Mk21A Reentry Vehicle (RV)																												
TMRR Phase																												
Milestone B (Oct 2023)																												
EMD Phase																												
EMD Contract Award (Oct 2023)																												
Prototype RV Flight Test #2 (Jun 2024)																												
Delta PDR (Nov 2024)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 674920 / Mk21A Reentry Vehicle	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Mk21A Reentry Vehicle (RV)				
TMRR Phase	1	2024	2	2024
Milestone B (Oct 2023)	1	2024	1	2024
EMD Phase	1	2024	4	2030
EMD Contract Award (Oct 2023)	1	2024	1	2024
Prototype RV Flight Test #2 (Jun 2024)	3	2024	3	2024
Delta PDR (Nov 2024)	1	2025	1	2025

- Note**
- TMRR Phase began in 1QFY20
 - EMD Phase began in 1QFY24

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675920 / Next Generation Reentry Capabilities			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675920: Next Generation Reentry Capabilities	0.000	15.535	16.122	49.896	0.000	49.896	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Next Generation Reentry Capabilities (NGRC) program will design, develop, produce, and deploy new payload system suites (reentry vehicles and/or countermeasures) and integrate them into ICBM weapon systems. Key next generation payload attributes include enhancements in accuracy and lethality. Next Generation Reentry Vehicle (NGRV) and advanced countermeasure capabilities are based on emerging threats, warfighter priorities, and development capacity. Program activities will also include the employment of digital acquisitions through the application of digital engineering, agile software development, and open systems architectures. The NGRC program will leverage investments by the ICBM Demonstration/Validation program, the Science & Technology community, and Navy reentry systems application program.

FY2026 funding supports early acquisition activities that lead to competitive contract awards. NGRC will continue its early concept, acquisition and integration studies to strengthen the atrophied industrial base, posturing the nation and to counter adversary threats both projected and unforeseen. This strategy enables a diverse pool of vendors to contribute in the development of materiel solutions which support mission requirements that combat future and immediate threats to drive ultimate effectiveness requirements for the weapon system. This funding includes program management support, operational concept exploration, technology trade studies, operational and system architecture development, maturation and risk reduction of RV/countermeasure-related technologies, including weapons system and integrated system concept development/demonstration.

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 2024 1.249M was expended for civilian pay expenses in this budget program activity code (BPAC), and in FY 2025 5.104M is forecasted for civilian pay expenses in this BPAC.

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

	FY 2024	FY 2025	FY 2026
Title: NGRC Acquisition Activities	15.535	16.122	49.896
Description: NGRV and countermeasure assessments and personnel requirements are critical to sufficiently standup the program management team and execute risk-reduction acquisition activities to avoid significant schedule risk. The NGRC Program Management Team will continue early concept, acquisition and integration studies.			
FY 2025 Plans:			
• Awarded early acquisition activities with prime vendors.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles			Project (Number/Name) 675920 / Next Generation Reentry Capabilities				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
<div>• Continued NGRV and countermeasure market research.</div> <div>• Supported DOE/NNSA WXX Warhead Phase 1 concept and assessment.</div> <div>• Continued operational assessments and integration studies.</div> <div>• Awarded contracts with multiple University Affiliated Research Centers (UARCs) and other government costs (OGCs) to support concept exploration, early acquisition and integration studies.</div> <div>FY 2026 Plans:</div> <div>• Continue early acquisition activities with prime vendors</div> <div>• Continue and expand NGRV and countermeasure market research.</div> <div>• Continue supporting DOE/NNSA WXX Warhead Phase 1 concept and assessment.</div> <div>• Continue and expand concept exploration for integration studies.</div> <div>FY 2025 to FY 2026 Increase/Decrease Statement:</div> <div>Funding increased for continued support of concept exploration, DOE/NNSA WXX assessments, additional early acquisition research and assessments, and integration studies in FY2026.</div>											
Accomplishments/Planned Programs Subtotals							15.535	16.122	49.896		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 05 0605238F: Ground Based Strategic Deterrent EMD	4,477.677	3,721.024	2,933.919	-	2,933.919	-	-	-	-	-	-
• MPAF 01 MGBSD0: Ground Based Strategic Deterrent	0.000	0.000	1,633.510	-	1,633.510	-	-	-	-	-	-
• RDTE 04 0603851F: Intercontinental Ballistic Missile - Dem/Val	54.914	119.197	90.460	-	90.460	-	-	-	-	-	-
• RDTE 03 0603273F: Science & Technology for Nuclear Re-entry Systems	70.321	91.885	129.344	-	129.344	-	-	-	-	-	-
Remarks											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675920 / Next Generation Reentry Capabilities
<p>D. Acquisition Strategy</p> <p>The NGRC program will employ agile contracting strategies for the next generation RV and advanced countermeasures to fill ICBM weapon system capability gaps based on a rapidly evolving threat. This will include multiple contract awards, rapid onboarding and offboarding of capabilities, and maintaining a constant link with DOE/ NNSA to ensure continued weapon system effectiveness.</p> <p>The NGRC acquisition strategy will include competitively awarded contracts, prototype demonstrations, and continued engagement and synchronization with the Department of Energy (DOE)/ National Nuclear Security Administration (NNSA). The Air Force is responsible for developing, integrating, producing, and maintaining next generation payload systems. DOE/NNSA develops/modifies the nuclear weapon inside the RV and all internal systems and components of the nuclear weapon. Program objectives are to develop, integrate, and build a next generation payload suite leveraging model based systems engineering (MBSE), Modeling & Simulation (M&S), and Open System Approach (OSA).</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675920 / Next Generation Reentry Capabilities					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC Research / Development Efforts	C/Various	TBD : TBD	0.000	2.099	Jan 2025	-		14.635	Jan 2026	-		14.635	-	-	-
Subtotal			0.000	2.099		-		14.635		-		14.635	-	-	N/A
Remarks															
• Contractual specifics are not available at this level of security classification; Initial contract award utilized FY2024 dollars. FY2025 award date allows for sufficient funding until subsequent contract award in FY2026 to continue NGRC's early acquisition activities for ICBM weapons systems.															
• Funding listed under NGRC Operational Assessments and Integration Studies in prior budget cycles was allocated to the appropriate support contractor performing the assessments (under the support category)															
• \$39.9M realigned from Mk21a BPAC to NGRC BPAC after denial of ATR. Funds were used in Product Development, Support and Management Services.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC Direct Cite Civilian Pay	Various	US Gov Civilians : Hill AFB, UT	0.000	1.249	Apr 2024	5.104	Oct 2024	5.492	Oct 2025	-		5.492	-	-	-
NGRC ICBM Development, Operations & Sustainment (IDOS) support	C/Various	BAE Systems : Hill AFB, UT	0.000	6.116	Apr 2024	3.360	Aug 2025	11.240	Nov 2025	-		11.240	-	-	-
NGRC JHU/APL Support	SS/CPFF	JHU/APL : Laurel, MD	0.000	0.750	Jul 2024	1.989	Nov 2025	6.056	Jan 2026	-		6.056	-	-	-
NGRC Mission Modeling Framework Support	MIPR	MSIC : Huntsville, AL	0.000	1.505	Jul 2024	1.900	Jun 2025	1.900	Jun 2026	-		1.900	-	-	-
NGRC Security Support	Various	Various : Various	0.000	0.450	May 2024	-		0.700	Mar 2026	-		0.700	-	-	-
Engineering Studies & Analysis	Various	Various : Various	0.000	-		-		-		-		-	-	-	-
Subtotal			0.000	10.070		12.353		25.388		-		25.388	-	-	N/A
Remarks															
• NGRC ICBM Development, Operations & Sustainment (IDOS) support formerly known as ISC extended to include multiple options through FY2026.															
• \$39.9M realigned from Mk21a BPAC to NGRC BPAC after denial of ATR. Funds were used in Product Development, Support and Management Services.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles						Project (Number/Name) 675920 / Next Generation Reentry Capabilities			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Acronyms: Missile and Space Intelligence Center (MSIC) John Hopkins University/Applied Physics Lab (JHU/APL)															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC Program Support Costs-Infrastructure	SS/TBD	75 CES : Hill AFB, UT	0.000	0.500	May 2025	-		3.589	Mar 2026	-		3.589	-	-	-
NGRC Program Support Costs	Various	Various : TBD	0.000	-		0.527	Oct 2024	2.929	Oct 2025	-		2.929	-	-	-
NGRC Information Technology	Various	Various : Various	0.000	2.866	Apr 2025	3.242	Oct 2025	3.355	Mar 2026	-		3.355	-	-	-
Subtotal			0.000	3.366		3.769		9.873		-		9.873	-	-	N/A
Remarks • \$39.9M realigned from Mk21a BPAC to NGRC BPAC after denial of ATR. Funds were used in Product Development, Support and Management Services. • Information Technology costs separated from Program Support Costs in the FY26 budget cycle. • Information Technology contractual specifics are not available at this level of security classification.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	15.535		16.122		49.896		-		49.896	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles		
			Project (Number/Name) 675920 / Next Generation Reentry Capabilities		

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
NGRC																												
Concept Exploration																												
Early Acquisition and Integration Studies																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675920 / Next Generation Reentry Capabilities	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NGRC				
Concept Exploration	1	2024	3	2030
Early Acquisition and Integration Studies	2	2025	3	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0102110F / MH-139A
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	613.663	25.464	15.000	5.982	0.000	5.982	-	-	-	-	-	-
672021: <i>MH-139A</i>	613.663	17.142	0.000	0.000	0.000	0.000	-	-	-	-	-	-
672023: <i>MH-139A PE/PI</i>	0.000	8.322	15.000	5.982	0.000	5.982	-	-	-	-	-	-

Program MDAP/MAIS Code: 562

A. Mission Description and Budget Item Justification

The MH-139A Grey Wolf will replace the Air Force fleet of UH-1N aircraft, and offers a significant capability increase in areas of speed, range, endurance, payload, and survivability. Funding provides replacement aircraft with vertical airlift and supports requirements for Air Force Global Strike Command (AFGSC) and Air Force Reserve Command (AFRC). AFGSC is the Air Force lead command and operational capability requirements sponsor. The MH-139A Grey Wolf program is an element of the Air Force's nuclear enterprise reform initiatives.

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 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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2024, \$2.750 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0102110F I MH-139A			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	25.737	0.000	0.000	0.000	0.000
Current President's Budget	25.464	15.000	5.982	0.000	5.982
Total Adjustments	-0.273	15.000	5.982	0.000	5.982
• 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	15.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.273	0.000			
• Other Adjustments	0.000	0.000	5.982	0.000	5.982
Change Summary Explanation					
FY 2025 funding request was increased by \$15.000 million due to an Air Force requested transfer from Aircraft Procurement to support Performance Enhancement/Product Improvement (PE/PI) efforts.					
FY 2026 funding request was increased by \$5.982 million to support PE/PI.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672021 / MH-139A			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
672021: MH-139A	613.663	17.142	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	6	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The MH-139A program will replace the Air Force fleet of UH-1N aircraft with modern helicopters that will close significant mission capability gaps associated with the current fleet of UH-1N aircraft. The replacement aircraft will provide vertical airlift and support the requirements for Air Force Global Strike Command (AFGSC) and Air Force Reserve Command (AFRC). AFGSC is the Air Force lead command and operational capability requirements sponsor. This program is an element of the Air Force's nuclear enterprise reform initiatives.

Program includes, but is not limited to, funding for four test aircraft and two System Demonstration Test Article (SDTA) aircraft, support equipment, Interim Contractor Support (ICS), training system devices, Type I training and course ware, extension of NDI integration as a result of Identification Friend or Foe (IFF) and security forces communication capability, cyber test articles, associated Government support activities, completion of Engineering and Manufacturing Development (EMD) Development Test (DT) and live-fire test and evaluation (LFT&E), and remedy of developmental test deficiencies.

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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2024, \$2.750 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.00 million is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: MH-139A Development	11.142	0.000	0.000
Description: Development of MH-139A helicopter and integration of non-developmental item (NDI) hardware, software, and other capabilities into aircraft system, training systems, support elements and technical/manufacturing baselines to achieve MH-139A operational capability requirements.			
FY 2025 Plans: N/A			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement: N/A			
Title: MH-139A Government Test and Evaluation	6.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672021 / MH-139A				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Description: System and subsystem test and evaluation and remedy of deficiencies of the MH-139A aircraft. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A												
Accomplishments/Planned Programs Subtotals										17.142	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 04 Line Item H0106O: UH-1N Replacement	223.201	294.095	4.478	-	4.478	-	-	-	-	-	-	
• APAF 05 H01061: MH-139A Mod	0.000	5.010	4.992	-	4.992	-	-	-	-	-	-	
• APAF 06 Line Item H0106O: UH-1N Replacement Initial Spares/Repair Parts	20.314	34.393	4.888	-	4.888	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The Air Force intends to procure an airworthiness-certified baseline helicopter that requires non-developmental item integration (e.g. Electro-Optical/Infrared Sensor, personnel recovery hoists, cockpit/cabin armor, etc.) and training systems to meet all operational capability requirements. The MH-139A acquisition approach is a single step to full capability. This provision is reflected in the acquisition strategy underpinning the basic contract and its pre-priced options. The current program scope is compliant with the requirements basis in the UH-1N Replacement Capability Production Document (CPD). The MH-139A program entered at pre-MS C to allow interested offerors an opportunity to include Non-Developmental Integration (NDI) into their existing, airworthiness-certified baseline Air Vehicle (AV) to meet all UH-1N Replacement requirements. The system will consist of non-proprietary or suitably licensed components and leverage non-developmental software to the extent possible within the constraints of the chosen system. Specific acquisition and contracting strategies for Research, Development, Test, and Evaluation (RDT&E) funded integration tasks and the test and evaluation program will be determined as part of the overall program strategy.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672021 / MH-139A					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139 Weapon System Integration and Type/ Airworthiness Certification	C/FFP	Boeing : Philadelphia, PA	485.024	6.807	Dec 2023	-		0.000		-		0.000	-	-	-
Subtotal			485.024	6.807		-		0.000		-		0.000	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139 Other Government Costs	C/Various	Various : TBD	22.957	1.133	Jan 2024	-		-		-		-	-	-	-
MH-139 Direct Cite Authority CIV Pay	C/Various	Various : TBD	17.557	2.750	Oct 2023	-		-		-		-	-	-	-
Subtotal			40.514	3.883		-		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139 Live Fire, Developmental, and Operational Test and Evaluation, Planning and Technical Support	Various	Various : TBD	46.641	6.000	Dec 2023	-		0.000		-		0.000	-	-	-
Subtotal			46.641	6.000		-		0.000		-		0.000	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139 Program Support Costs	Various	Various : TBD	8.013	0.452	Dec 2023	-		0.000		-		0.000	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102110F / MH-139A						Project (Number/Name) 672021 / MH-139A			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139 A&AS Support	C/CPFF	EPASS : Dayton, OH	33.471	-		-		-		-		-	-	-	-
Subtotal			41.484	0.452		-		0.000		-		0.000	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			613.663	17.142		-		0.000		-		0.000	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102110F / MH-139A			Project (Number/Name) 672021 / MH-139A				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MH-139A Program																												
MH-139A NDI Contract																												
Initial Operational Test and Evaluation																												
Developmental Test and Evaluation																												
Live Fire Test																												
Subsystem Integration and Air Worthiness																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672021 / MH-139A	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MH-139A Program				
MH-139A NDI Contract	1	2024	4	2025
Initial Operational Test and Evaluation	4	2024	3	2025
Developmental Test and Evaluation	1	2024	2	2024
Live Fire Test	1	2024	4	2024
Subsystem Integration and Air Worthiness	1	2024	4	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672023 / MH-139A PE/PI			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
672023: MH-139A PE/PI	0.000	8.322	15.000	5.982	0.000	5.982	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The MH-139A program will replace the Air Force fleet of UH-1N aircraft with modern helicopters that will close significant mission capability gaps associated with the current fleet of UH-1N aircraft. The replacement aircraft will provide vertical airlift and support the requirements for Air Force Global Strike Command (AFGSC) and Air Force Reserve Command (AFRC). AFGSC is the Air Force lead command and operational capability requirements sponsor. The MH-139A program is an element of the Air Force's nuclear enterprise reform initiatives.

The MH-139A Performance Enhancements and Product Improvements (PE/PI) Program is for the development of solutions to solve capability gaps found during the development and test of the MH-139A to include communication and gun systems deficiencies, improve mission planning capability, resolve usability concerns, and other critical capabilities, and includes associated Government test and support activities.

The program office will continue flight testing in support of modernization efforts to address emerging threats, evolving mission needs, AFGSC requirements, and support of the nuclear mission.

MH-139A funding also supports obsolescence solutions and 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 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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2024, \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.000 million is forecast for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: MH-139A Performance Enhancements	6.322	4.830	3.122
Description: Development and integration of MH-139A helicopter solutions to solve capability gaps found during development and test to include communication and gun system deficiencies, Mission Planning, improve capability, resolve usability concerns and other critical capabilities.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Continue development and integration of MH-139A helicopter solutions to solve capability gaps found during development and test to include communication and gun system deficiencies, Mission Planning, improve capability, resolve usability concerns and other critical capabilities.			
FY 2026 Plans: Continue development and integrate solutions to solve capability gaps found during development and operational test to include communication and gun system deficiencies as well as Mission Planning upgrades that will improve capability and resolve usability concerns.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to revised program estimate.			
Title: MH-139A Government Test Planning, Test and Evaluation		2.000	1.078
Description: Planning for system and subsystem test and evaluation and remedy of deficiencies found during testing of the Performance Enhancement and Product Improvement solutions.			1.049
FY 2025 Plans: Continue test planning and execution in support of capability upgrade efforts.			
FY 2026 Plans: Will support efforts to resolve deficiencies identified in Operational Test.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to revised program estimates.			
Title: Joint Mission Planning System		-	3.117
Description: The current MH-139A mission planning software does not provide the needed capabilities to maximize warfighter efficiency. Global Strike Command has requested the current mission planning system be replaced with the USG-owned Joint Mission Planning System. Movement to the Joint Mission Planning System (JMPS) will provide the military utility needed for the MH-139 mission sets. This effort will be a ACAT III program.			0.311
FY 2025 Plans: Continued development of the JMPS program.			
FY 2026 Plans: Continued development of the JMPS program.			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
Funding decreased due to anticipated program phasing and completion.			
Title: Government Engine Test Description: Characterize the PT6C-67C engine through applicable sand and dust ingestion testing, addressing gaps between federal aviation administration and military standards to gain critical data and analysis to enable the resolution of a category I deficiency and removal of AFGSC's operational flight restriction on the MH-139A. FY 2025 Plans: Development, Testing, and Reporting. FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to anticipated completion of engine test reporting.	-	4.144	0.000
Title: Communications System Upgrades Description: The Program Office plans for communication system updates that are anticipated due to obsolescence or DMSMS. The radio/comm systems on the MH-139A are critical to ensure necessary communications for military operations. The projects will maintain interoperability with defense networks while supporting the Department of Defense's strategic goal of modernizing communications, reinforcing mission effectiveness, and maintaining technological superiority in contested environments. FY 2025 Plans: Comms system development and improvement. FY 2026 Plans: Comms system development and improvement. FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to reduction in communications system development efforts.	-	1.831	1.500
Accomplishments/Planned Programs Subtotals	8.322	15.000	5.982

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 04 04 H0106O: MH-139A	228.807	294.095	4.478	-	4.478	-	-	-	-	-	-
• APAF 05 H01061: MH-139A Mod	0.000	5.010	4.992	-	4.992	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI	

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

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 06 H0106O: UH-1N Replacement Program	20.314	34.393	4.888	-	4.888	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Acquisition and contracting strategies for RDT&E funded integration tasks and the test and evaluation program to be pursued as follow on programs with the acquisition strategies deemed most appropriate. Critical capability improvements will be planned for installation in future production lots, or planned for integration into operational aircraft, and will include competitive selection for best value to the government.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672023 / MH-139A PE/PI					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139A Performance Enhancements and Product Improvements	TBD	TBD : TBD	0.000	3.012	Dec 2023	7.112	Apr 2026	3.122	Mar 2027	-		3.122	-	-	-
Mission Planning System	SS/ Various	Various : TBD	0.000	3.310	Mar 2024	3.117	Jan 2026	0.311	Jan 2027	-		0.311	-	-	-
Mobile User Objective System (MUOS)	PO	Not specified. : TBD	0.000	-		0.627	Jul 2025	-		-		-	-	-	-
Engine Bench Testing	PO	Not specified. : TBD	0.000	-		4.144	Jul 2025	-		-		-	-	-	-
Comm Systems Upgrade	C/CPAF	TBD : TBD	0.000	-		-		1.500	Mar 2026	-		1.500	-	-	-
Subtotal			0.000	6.322		15.000		4.933		-		4.933	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139A PE/PI Test and Evaluation	C/Various	Various : TBD	0.000	2.000	Dec 2023	-		1.049	Oct 2025	-		1.049	-	-	-
Subtotal			0.000	2.000		-		1.049		-		1.049	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	8.322		15.000		5.982		-		5.982	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102110F / MH-139A					Project (Number/Name) 672023 / MH-139A PE/PI	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MH-139A Performance Enhancements and Product Improvements																												
Deficiency Reports Resolution																												
Test Planning																												
Gun Systems Upgrade Planning and Contract Award																												
Gun Systems Upgrade Development and Integration																												
Gun Systems T&E																												
Interim Gun Solution T&E																												
Mission Planning Upgrade Planning and Contract Award																												
Mission Planning Upgrade Development and Integration																												
Mission Planning Upgrade T&E																												
Ground Engine Testing																												
Communication Systems Upgrades																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MH-139A Performance Enhancements and Product Improvements</i>				
Deficiency Reports Resolution	1	2024	1	2027
Test Planning	1	2024	1	2027
Gun Systems Upgrade Planning and Contract Award	1	2024	2	2024
Gun Systems Upgrade Development and Integration	2	2024	4	2025
Gun Systems T&E	1	2025	4	2025
Interim Gun Solution T&E	3	2024	2	2025
Mission Planning Upgrade Planning and Contract Award	1	2024	3	2025
Mission Planning Upgrade Development and Integration	2	2025	3	2027
Mission Planning Upgrade T&E	2	2024	2	2027
Ground Engine Testing	3	2025	3	2026
Communication Systems Upgrades	2	2026	1	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0102326F <i>I Region/Sector Operation Control Center Modernization Program</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.831	0.852	0.726	0.000	0.726	-	-	-	-	-	-
674592: <i>BA7 0102326F 674592 R/SAOC Modernization</i>	0.000	0.831	0.852	0.726	0.000	0.726	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Regional/Sector Operation Center Modernization program supports the North American Aerospace Defense Command (NORAD)/ US Northern Command (USNORTHCOM) homeland defense and air sovereignty mission for fixed Air Defense Sectors.

BATTLE CONTROL SYSTEM-FIXED (BCS-F): BCS-F is a bi-national development program with Canada. The BCS-F Program is a USAF Homeland Defense battle management command and control system with the capability to integrate data from existing and future civil and military defense surveillance systems into a comprehensive air picture. BCS-F provides tactical communications and data link capabilities with other military and civil systems responsible for planning, directing, coordinating and controlling forces for air surveillance, air defense, and control of sovereign US air space. This integrated air picture enhances the capability to conduct peacetime air sovereignty operations and transition to active air defense operations in the event of aggression.

BATTLE CONTROL SYSTEM-FIXED MODIFICATION ONE (BCS-F Modification 1): BCS-F Modification 1 effort will support the implementation of Earth Center Earth Fixed (ECEP). The BCS-F Modification 1 effort is executed as a Cooperative Development Program between the US and Canada. This program aligns with Air Battle Management System (ABMS) Cloud-Based Command and Control (CBC2) (0604003F), which is planned to replace BCS-F as the Air Defense Sectors' C2 system of record. Activities in this FY are planned overlap with ABMS CBC2 to minimize operational risk during the transition.

NATIONAL CAPITOL REGION - INTEGRATED AIR DEFENSE SYSTEM (NCR-IADS): NCR-IADS is a post-September 11, 2001 rapidly fielded capability that provides ground-based air defense of the NCR airspace by delivering an integrated air picture, air defense weapons, enhanced regional situational awareness, and forensic data collection capabilities. Life cycle replacement will be required to prevent system obsolescence, account for new cyber security requirements, and posture the program to seamlessly integrate future capabilities.

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.

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 FY25 \$0.000M was expended for civilian pay expenses in this program element and in FY26 \$0.000M is forecasted for civilian pay expenses in this program element.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0102326F I Region/Sector Operation Control Center Modernization Program				
This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute and deliver Battle Control Systems-Fixed Modification 1. The use of such programs would be in addition to the civilian pay expenses budgeted in program element 0102326F.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		0.831	0.852	0.873	0.000	0.873
Current President's Budget		0.831	0.852	0.726	0.000	0.726
Total Adjustments		0.000	0.000	-0.147	0.000	-0.147
• 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	-0.147	0.000	-0.147
Change Summary Explanation						
Decrease due to reduction of Advisory and FFRDC Services.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Battle Control System-Fixed Modification 1				0.831	0.852	0.726
Description: Continue systems engineering, development, risk reduction, integration, test & evaluation and fielding of the BCS-F Modification 1 effort.						
FY 2025 Plans: Plan includes, but not limited to, continued testing and fielding of 3.3.1 baseline.						
FY 2026 Plans: Continue systems engineering, development, risk reduction, integration, test & evaluation and technical refresh of the BCS-F Modification 1 effort.						
FY 2025 to FY 2026 Increase/Decrease Statement:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0102326F I Region/Sector Operation Control Center Modernization Program							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Decrease due to reduction of Advisory and FFRDC Services.												
Accomplishments/Planned Programs Subtotals										0.831	0.852	0.726
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• OPAF 03 833030: Battle Control System - Fixed	1.842	22.764	16.482	-	16.482	-	-	-	-	-	-	
Remarks												
E. Acquisition Strategy												
Acquisition Strategy: The Program Management Office (PMO) completed a full and open competition for BCS-F Modification 1 efforts. The BCS-F PMO finalized a Program Memorandum of Understanding (PMOU) that established a cooperative development program with Canada. These efforts concluded with development and releases to the Air Defense Sectors.												
Management Strategy: Program management for the BCS-F program is under direction of PEO C3BM, located at Hanscom AFB, MA, in conjunction with PMO North, located in Ottawa, CA. The Air Force Life Cycle Management Center (AFLCMC) is the contracting authority for BCS-F.												
Contracting Strategy: The BCS Capability modernization takes place under a variety of contract strategies including Other Transaction Authority.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102326F / Region/Sector Operation Control Center Modernization Program						Project (Number/Name) 674592 / BA7 0102326F 674592 R/SAOC Modernization			
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Cost	Various	Various: Hanscom AFB, MA : Hanscom AFB, MA	-	0.070	May 2024	0.070	May 2025	0.052	May 2026	-		0.052	-	-	-
FFRDC	Various	Various : Hanscom AFB, MA	-	0.761	Dec 2023	0.782	Dec 2024	0.674	Dec 2025	-		0.674	-	-	-
Subtotal			-	0.831		0.852		0.726		-		0.726	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.831		0.852		0.726		-		0.726	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0102326F / Region/Sector Operation Co					674592 / BA7 0102326F 674592 R/SAOC					Modernization				
					ntrol Center Modernization Program														

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Battle Control System-Fixed Modification 1																												
Operational Test & Fielding Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102326F / Region/Sector Operation Co ntrol Center Modernization Program	Project (Number/Name) 674592 / BA7 0102326F 674592 R/SAOC Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Battle Control System-Fixed Modification 1</i>				
Operational Test & Fielding Support	3	2024	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0102417F <i>I Over-the-Horizon Backscatter Radar</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	132.097	0.000	132.097	-	-	-	-	-	-
674865: <i>TALON TACMOR development</i>	0.000	0.000	0.000	132.097	0.000	132.097	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Efforts funded in this PE focus on development, testing, and fielding, of a long-range early detection capability for airborne and surface targets of interest. Each line of effort acquires and fields a land based, high-frequency (HF) ionospheric backscatter radar for over the horizon detection and tracking of airborne and surface targets over wide geographic areas. Fielding of this capability will enable detection, tracking and reporting of airborne and surface targets that may be obscured from conventional line of sight radar systems by the curvature of the earth. Specific lines of effort funded include, but are not limited to, Tactical Multi-Mission Over the Horizon Radar (TACMOR), Homeland Defense Over the Horizon Radar (HLD-OTHR) and support for a classified EUCOM requirement.

TACMOR capability is being developed for employment in the Republic of Palau (RoP) to provide enhanced Air Domain Awareness in the USINDOPACOM area of responsibility. TACMOR will be located in the RoP and operated by the United States in agreement with the RoP. Development, test and evaluation, and acquisition of the system and associated components will provide warfighters with the capability to close gaps in surveillance coverage in key regions of the Pacific area of interest to the United States and its Allies.

HLD OTHR efforts are focused on the development of a capability to extend current NWS surveillance to long range early warning for North America in response to emerging threats. The programs intent is to design, develop, test and field advanced OTHR systems operating at levels of sensitivity far exceeding current US OTHR systems in operation. Program activities include C2 interface design and integration, HF sensor and digital receiver technology advancement, ionospheric characterization research, remote sensor management capability development, and sensor data fusion research. HLD-OTHR data will be distributed and integrated into existing integrated air and missile defense (IAMD) early warning networks, to include the emerging DAF Battle Network and Cloud Based C2 architectures as applicable.

In support of the Air and Cruise Missile Defense of the Homeland mission and NORAD/USNORTHCOM Defense of North America mission, the project will continue to focus investments to enhance capability for Over-the-Horizon Radars. The planned activities to development, acquire, and field HLD OTHR system in FY26 are classified.

HLD OTHR will continue executing experimental efforts with the DoD science and technology community to characterize ionospheric conditions in CONUS locations.

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. The FY24 President's Budget requested this BPAC move to Budget Activity 5, System Development and Demonstration (SDD) to support the current acquisition strategy at that time. The Congressional defense committees approved the change but due to database errors, the change never took effect.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0102417F I Over-the-Horizon Backscatter Radar				
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 PE 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2024, 1.100M was expended for civilian pay expenses in this program element, and in FY2025, 1.900M is forecasted for civilian pay expenses in this program element.						
The FY 2025 funding request was reduced by 1.647 million to account for the availability of prior year execution balances.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		428.754	383.575	74.101	0.000	74.101
Current President's Budget		0.000	0.000	132.097	0.000	132.097
Total Adjustments		-428.754	-383.575	57.996	0.000	57.996
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-3.899	-6.200			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		-424.855	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	-377.375	57.996	0.000	57.996
Change Summary Explanation						
The FY26 request for the Over the Horizon Backscatter Radar program includes \$132,097 thousand of discretionary and \$70.600 thousand of mandatory (reconciliation) for a total amount of \$202,797 thousand. The mandatory funds are focused on the Homeland Defense project and further information can be found in the Reconciliation Exhibit.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102417F / Over-the-Horizon Backscatter Radar				Project (Number/Name) 674865 / TALON TACMOR development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674865: TALON TACMOR development	0.000	0.000	0.000	132.097	0.000	132.097	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

TACMOR capability is being developed for employment in the Republic of Palau (RoP) to provide enhanced Air Domain Awareness in the USINDOPACOM area of responsibility. TACMOR will be located in the RoP and operated by the United States in agreement with the RoP. Development, test and evaluation, and acquisition of the system and associated components will provide warfighters with the capability to close gaps in surveillance coverage in key regions of the Pacific area of interest to the United States and its Allies.

TACMOR efforts funded in this Program Element will include but are not limited to: An unmanned, remotely controlled, secure facility consisting of a Transmit site consisting of fourteen elements and high-power amplifiers transmitting High Frequency [HF] Skywave Over-The-Horizon Radar [OTHR] waveforms. The transmit site will also consists of a HF vertical sounder antenna and a HF backscatter sounder providing ionosphere environmental information for optimizing frequency selection. It also includes a Receive site consisting of 128 dual-monopole antenna elements receiving the over-the-horizon reflected energy from the transmit site. The receive site also contains the secure facilities for signal processing of the received data and real-time target extraction information. This data will enhance INDOPACOM and PACAF forces' Air Domain Awareness missions.

This effort will also fund the communications infrastructure necessary to enable the data flow from the Transmit and Receive sites to an off-site operations control center. The operations control center plans and executes missions in support of the Combatant Command [CCMD] and provides real-time, target tracking information to all-source information fusion and dissemination systems.

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 FY 2024 0 was expended for civilian pay expenses in this program element, and in FY 2025 0 is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026
Title: TACMOR Development	-	0.000	132.097
Description: Will establish initial TACMOR prototype transition and development activities necessary to accept post production readiness system components and sub-components. Program re-phased to align with military construction schedule and site availability.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0102417F / Over-the-Horizon Backscatter Radar				Project (Number/Name) 674865 / TALON TACMOR development				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
<p>FY 2025 Plans:</p> <ul style="list-style-type: none">- Established initial contract for prototype development of the radar system and sub-system components- Performed work on delivery of network services (terrestrial and SATCOM backup) infrastructure including management, on-island communications, off-island communications, and an integration facility to be used to ensure consistent interfaces and end-to-end service delivery is available once the radar is in place. <p>FY 2026 Plans:</p> <ul style="list-style-type: none">- Will initiate radar component and material development for the full scale prototype- Will continue development of the communications infrastructure as site availability allows- Will initiate software development and systems integration lab- Continue previously funded Model Based System Engineering efforts and begin Cybersecurity Risk Management Framework Planning and Implementation <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>The TACMOR FY 2026 increase due to restoral of funding for the program to initiate acquisition and development for the prototype system.</p>												
Accomplishments/Planned Programs Subtotals										-	0.000	132.097
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• OPAF 03 838010: Comm Elect Mods	89.467	0.000	9.200	-	9.200	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
TACMOR will be executed out of the PEO Electronic Systems. For contracting efforts, the program will seek approval for rapid prototyping Middle Tier Acquisition effort.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102417F / Over-the-Horizon Backscatter Radar				Project (Number/Name) 674865 / TALON TACMOR development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Component and material purchases, prototype antenna fabrication; Wide Area Communications network services.	MIPR	AFLCMC/HBDG : Robins, AFB, GA	-	-		0.000	Jan 2025	112.000	Aug 2026	-		112.000	-	-	-
Initial Operations training material development; cyber security risk management frame work implementation; Other Gov't costs.	MIPR	AFLCMC/HBDG : Robins, AFB, GA	-	-		-		16.097	Jun 2026	-		16.097	-	-	-
Subtotal			-	-		0.000		128.097		-		128.097	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 and Program Office Management	Various	AFLCMC/HBG : Robins, AFB, GA	-	0.000	Nov 2023	0.000	Nov 2024	4.000	Feb 2026	-		4.000	-	-	-
Subtotal			-	0.000		0.000		4.000		-		4.000	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000		0.000		132.097		-		132.097	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0102417F / Over-the-Horizon Backscatter Radar					674865 / TALON TACMOR development			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
TACMOR Development																												
Communication infrastructure development																												
System Integration Lab development																												
Network services delivery, communication on/off-island communications																												
Model Based Systems Engineering and Integration																												
Cybersecurity Risk Management Framework Planning and Implementation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102417F / <i>Over-the-Horizon Backscatter Radar</i>	Project (Number/Name) 674865 / <i>TALON TACMOR development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>TACMOR Development</i>				
Communication infrastructure development	1	2024	3	2028
System Integration Lab development	2	2026	4	2028
Network services delivery, communication on/off-island communications	1	2024	4	2027
Model Based Systems Engineering and Integration	2	2026	3	2027
Cybersecurity Risk Management Framework Planning and Implementation	2	2026	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0202834F I Vehicles and Support Equipment - General							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	9.474	6.097	0.744	0.000	0.744	-	-	-	-	-	-
672800: AVIATION SUPPORT EQUIPMENT MODERNIZATION	0.000	9.474	6.097	0.744	0.000	0.744	-	-	-	-	-	-
Quantity of RDT&E Articles	-	14	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Aviation Support Equipment Modernization provides funding for the modernization of organizational and intermediate level support equipment for out-of-production and emerging aircraft, munitions and external stowage to maximize commonality of equipment, improve aircraft readiness/availability and to reduce life cycle sustainment costs. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), directly support aircraft maintenance, servicing, and sortie generation requirements.

To support aircraft generation requirements, support equipment may be studied, reviewed, modified and/or re-developed in order to maintain operational readiness. Examples of equipment under review and/or modernization includes, but not limited to, power generation, heating, ventilation, and air conditioning (HVAC), munition trailers/accessories, munition lifts/accessories, tow vehicles, munition test/maintenance stands, hydraulic equipment, and engine test stands. Any identified capability gaps may result in the design of a new system. Additionally, modernization is a continuous, deliberate effort and is key to complete lifecycle management.

This program element also includes program administrative cost for the Support Equipment and Vehicles program office and funds the cost of studies and research to support the aviation support equipment fleet.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Aviation Support Modernization capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827, 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0202834F I Vehicles and Support Equipment - General				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		15.498	6.097	4.855	0.000	4.855
Current President's Budget		9.474	6.097	0.744	0.000	0.744
Total Adjustments		-6.024	0.000	-4.111	0.000	-4.111
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-5.000	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		-1.024	0.000	-4.111	0.000	-4.111
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Powered AGE Systems Modernization				4.678	2.268	0.100
Description: Ensures powered aerospace ground equipment (AGE) remains available and suitable to meet the requirements of legacy and 5th generation aircraft and force employment/basing strategies while providing reduced lifecycle sustainment costs, reduce operational footprint in support of agile combat operations, and providing improved user safety by reducing system emissions and noise. Powered AGE includes hydraulic, generators, lighting, heating/air conditioning, compressors/bleed-air, aerial stores lift trucks and other electrically driven systems used in and around the flight line for the generation and maintenance of aircraft.						
FY 2025 Plans: Efforts include the continued study, research, development, and operational feasibility testing of emerging technologies/systems to provide reliable clean power such as, but not limited to, hybrid, fuel cell, power grid, and battery systems. One or more contracts may be awarded to support efforts such as the design and test of a new large aircraft generator system, battery "powerhead" systems to reduce diesel consumption and replace aging/unsupportable fleet, as well a combined aircraft power/flight line lighting system to support agile basing applications for remotely piloted aircraft. Small business innovative research (SBIR) contract may be awarded to mature technology. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.						
FY 2026 Plans: Efforts include the continued study, research, development, and operational feasibility testing of emerging technologies/systems to provide flexible power solutions such as, but not limited to, hybrid, fuel cell, power grid, and battery systems. One or more contracts may be awarded to support efforts such as the design and test of a new large aircraft generator system, battery						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0202834F <i>I Vehicles and Support Equipment - General</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>"powerhead" systems to reduce diesel consumption and replace aging/unsupportable fleet, as well a combined aircraft power/flight line lighting system to support agile basing applications for remotely piloted aircraft. Small business innovative research (SBIR) contract may be awarded to mature technology. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY26 funding decreased scope to minimal developmental efforts.</p>				
<p>Title: Munitions Materiel Handling Equipment (MMHE) Modernization</p> <p>Description: Ensures aerial lift trucks (jammers) and munitions trailers continue to safely meet lift & carry requirements as well as fill capability gaps resulting from new/emerging weapons and aircraft stowage, and new force employment/ basing strategies. RDT&E supports emerging opportunities, such as but not limited to, development of semi-autonomous loading systems, alternative electrical power/drive systems and exploring & implementing a Family-of-Jammers concept to address low observable aircraft loading challenges, agile operations in contested environment, and heavy-weight lift capabilities resulting from emerging weapons. Equipment may be studied, reviewed, modified and/or re-developed in order to maintain operational readiness</p> <p>FY 2025 Plans: Efforts include the continued study, research, development, and operational feasibility testing of emerging technologies/systems to ensure MMHE equipment continue to meet current and future requirements. One or more contracts may be awarded to develop a Family-of-Jammer(s) to meet AF lift requirements across all weight classes and/or development of a semi-autonomous/autonomous loading system to improve user safety and generation timelines. Small business innovative research (SBIR) contract may be awarded to mature technology. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.</p> <p>FY 2026 Plans: Efforts include the continued study, research, development, and operational feasibility testing of emerging technologies/systems to ensure MMHE equipment continue to meet current and future requirements. One or more contracts may be awarded to develop a Family-of-Jammer(s) to meet AF lift requirements across all weight classes and/or development of a semi-autonomous/autonomous loading system to improve user safety and generation timelines. Small business innovative research (SBIR) contract may be awarded to mature technology. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY26 funding decreased scope to minimal developmental efforts.</p>		1.740	1.665	0.544
<p>Title: Tow Systems Modernization</p>		3.056	2.164	0.100

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force								Date: June 2025					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0202834F I Vehicles and Support Equipment - General								
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2024		FY 2025		FY 2026	
<p>Description: New Common Tow Systems Modernization across the aircraft fleet. RDT&E efforts support development, testing, and producibility of Tow Bar and Tow Systems.</p> <p>FY 2025 Plans: Continuing to support mission generation Tow Systems Modernization requirements, support equipment may be studied, reviewed, modified and/or re-developed in order to maintain operational readiness. Examples of equipment under review include, but not limited to development of a Family-of-Tow Systems, "universal tow bar", aircraft positioners, emerging load limits, replace legacy (1955) tow systems, increase AGILE operations, reduction of deployment footprint and to reduce human and aircraft safety mishaps. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.</p> <p>FY 2026 Plans: Continuing to support mission generation Tow Systems Modernization requirements, support equipment may be studied, reviewed, modified and/or re-developed in order to maintain operational readiness. Examples of equipment under review include, but not limited to development of a Family-of-Tow Systems, "universal tow bar", aircraft positioners, emerging load limits, replace legacy (1955) tow systems, increase AGILE operations, reduction of deployment footprint and to reduce human and aircraft safety mishaps. Budget includes funds for Program Support Costs, A&AS, travel and other equipment required to execute program activities as well as develop Air Force-wide system requirements.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in funding per PBES for FY26. Reduction in funding due to completion of prototype efforts in FY25. Incoming funding to be utilized for Low-Rate Initial Production (LRIP) assets.</p>													
Accomplishments/Planned Programs Subtotals								9.474		6.097		0.744	
D. Other Program Funding Summary (\$ in Millions)													
Line Item		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 07 000071: Aircraft Replacement Support Equip		0.000	0.000	-	-	-	-	-	-	-	-	-	
Remarks													
The Support Equipment and Vehicles program office is responsible for developing, acquiring and sustaining common aircraft generation support equipment for the United States Air Force (USAF).													

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0202834F I Vehicles and Support Equipment - General	
<p>E. Acquisition Strategy</p> <p>The acquisition strategy for the Munitions Materiel Handling Equipment (MMHE) Modernization project is expected to maximize OTA non-traditional contracts for development, test, and user evaluation. This includes, but not limited to PIA, Consortium, SBIR, DLA TLS, TACFI, etc. and may award to multiple vendors.</p> <p>The acquisition strategy for the Powered Aerospace Ground Equipment (AGE) Modernization project is expected to maximize OTA non-traditional contracts for development, test, and user evaluation. This includes, but not limited to PIA, Consortium, SBIR, DLA TLS, TACFI, etc. and may award to multiple vendors.</p> <p>The acquisition strategy for Tow Systems Modernization project is expected to maximize OTA non-traditional contracts for development, test, and user evaluation. This includes, but not limited to PIA, Consortium, SBIR, DLA TLS, TACFI, etc. and may award to multiple vendors.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0202834F / Vehicles and Support Equip ment - General				Project (Number/Name) 672800 / AVIATION SUPPORT EQUIPMENT MODERNIZATION					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MMHE Contract	C/TBD	Not specified. : TBD	-	1.740	Mar 2024	4.004	Jan 2025	0.544	Jan 2026	-		0.544	-	-	-
Powered AGE Contract	C/TBD	Not specified. : TBD	-	3.678	Feb 2024	0.396	Jan 2025	0.100	Nov 2025	-		0.100	-	-	-
Tow Systems Contract	C/TBD	Not specified. : TBD	-	2.996	Feb 2024	0.527	Jun 2025	0.100	Feb 2026	-		0.100	-	-	-
Subtotal			-	8.414		4.927		0.744		-		0.744	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support	PO	Not specified. : TBD	-	1.000	Mar 2024	1.100	Mar 2025	-		-		-	-	-	-
Subtotal			-	1.000		1.100		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Management/Government Services	TBD	Not specified. : TBD	-	0.060	Feb 2024	0.070	Feb 2025	-		-		-	-	-	-
Subtotal			-	0.060		0.070		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.474		6.097		0.744		-		0.744	-	-	N/A
Remarks This program's projects include the SBIR for the new towbar design and development, family of nuclear certified jammer development, and multi-capable aerospace ground equipment.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0202834F / Vehicles and Support Equipment - General					672800 / AVIATION SUPPORT EQUIPMENT MODERNIZATION			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Aviation Support Equipment Mod																												
Powered AGE Development																												
MMHE Development																												
Tow Systems Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0202834F / Vehicles and Support Equip ment - General	Project (Number/Name) 672800 / AVIATION SUPPORT EQUIPMENT MODERNIZATION	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Aviation Support Equipment Mod				
Powered AGE Development	3	2024	3	2030
MMHE Development	2	2024	3	2030
Tow Systems Development	2	2024	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0205219F I MQ-9 UAV							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	82.393	7.074	26.689	0.000	26.689	-	-	-	-	-	-
675212: MQ-9 SLAM	0.000	82.116	0.000	26.393	0.000	26.393	-	-	-	-	-	-
675247: Squadron Operations Centers (SOC)	0.000	0.277	0.260	0.296	0.000	0.296	-	-	-	-	-	-
675249: MQ-9 Upgrade	0.000	0.000	6.814	0.000	0.000	0.000	-	-	-	-	-	-
Program MDAP/MAIS Code: 424												
A. Mission Description and Budget Item Justification												
<p>The MQ-9 Reaper system is a modular and adaptable system comprised of the Aircraft, sensors, Ground Control Station (GCS), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and required personnel to operate, maintain, and sustain the system. Mission-specific equipment is employed to allow specific aircraft and GCS configurations to be tailored to fit mission needs. Current President's Budget request supports 56 Combat Lines to meet DoD force offering requirements to combat threats. The three key development programs in this Program Element are: MQ-9 System Lifecycle Agile Modernization (SLAM) enabling rapid fielding of new software, hardware, and integration; Squadron Operations Centers (SOC) for development and fielding of standardized operations centers necessary for remote split operations, to provide mission data and tasking information to aircrew, and to disseminate and/or exchange mission data with the intelligence community; and MQ-9 Upgrade for improving existing systems.</p>												
<p>The Air Force established the MQ-9 Multi-Domain Operations (M2DO) configuration with enhancements consisting of Anti-Jamming GPS, Enhanced Power, Link 16, Open Mission System (OMS) (to include Stellar Relay and Intelligent Electronics Unit (iEU)), and Command and Control (C2) Resiliency to maintain its viability in modern conflict.</p>												
<p>The FY 2026 request was reduced by -\$1.026M 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."</p>												
<p>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 FY2024 .759M was expended for civilian pay expenses in this program element and in FY2025 0M is forecasted for civilian pay expenses in this program element.</p>												
<p>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.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0205219F I MQ-9 UAV			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	81.123	7.074	0.297	0.000	0.297
Current President's Budget	82.393	7.074	26.689	0.000	26.689
Total Adjustments	1.270	0.000	26.392	0.000	26.392
• 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	4.101	0.000			
• SBIR/STTR Transfer	-2.771	0.000			
• Other Adjustments	-0.060	0.000	26.392	0.000	26.392
Change Summary Explanation					
FY2026 Changes: (+\$26.392M) for MQ-9 Multi-Domain Operations					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675212 / MQ-9 SLAM			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675212: MQ-9 SLAM	0.000	82.116	0.000	26.393	0.000	26.393	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The MQ-9 System Lifecycle Agile Modernization (SLAM) Program enables rapid fielding of new software, hardware, and integration for the MQ-9 fleet to meet evolving mission needs. The objective is to rapidly field new software, hardware, and sustainability improvements into the MQ-9 fleet, addressing requirements from the Combat Capability List (CCL). These requirements include but are not limited to: MQ-9 Multi-Domain Operations (M2DO); streamlining system configurations; performing technology upgrades; enhancing pilot awareness and usability; improving reconnaissance, targeting, and exploitation capabilities; expanding weapons system selection and lethality; increasing suitability for diverse operational theaters; improving security and self-protection measures; reducing the logistics footprint; providing warfighter training; concept exploration; Diminishing Manufacturing Source (DMS); and developing prototypes. MQ-9 is currently supporting Joint Urgent Operational Need (JUON) CC-0575, CC-0578, and EC-0020.

M2DO configuration consists of Anti-Jamming GPS, Enhanced Power, Link 16, Open Mission System (OMS) (to include Stellar Relay and Intelligent Electronics Unit (iEU)), and Command and Control (C2) Resiliency to maintain its viability in modern conflict.

In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212).

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 2024	FY 2025	FY 2026
Title: MQ-9 SLAM	76.416	0.000	21.613
Description: This program develops and integrates upgrades for the MQ-9 modernization strategy. It uses a combined event-driven and schedule-driven process to deliver new capabilities, including upgrades to aircraft, ground control stations, communications, operator simulators, payloads, software, resolving manufacturing issues, developing reliability and maintainability (R&M) improvements, studies, concept exploration, and M2DO development and integration. Candidate capabilities are determined by Air Combat Command (ACC), Air Force Special Operations Command (AFSOC), and input from stakeholders, including urgent operational needs requests. SLAM develops and fields the Operational Flight Program (OFP) for the MQ-9 enterprise.			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675212 / MQ-9 SLAM		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). FY2025 execution amounts will be entered at the time the database allows such adjustments.</p> <p>In FY2025 MQ-9 SLAM will continue development and integration of the following capabilities:</p> <ul style="list-style-type: none">•Open Missions System•Operational Flight Plan (OFP) releases•Potential C2 resiliency efforts which include Proliferated Low Earth Orbit (PLEO)•Potential DMS issues <p>Requirements and funding may change based on actual execution and evolving mission needs.</p> <p>FY 2026 Plans:</p> <p>In FY2026 MQ-9 SLAM will continue development and integration of the following capabilities:</p> <ul style="list-style-type: none">•Operational Flight Plan (OFP) releases•Potential C2 resiliency efforts which include Proliferated Low Earth Orbit (PLEO)•Potential DMS issues <p>Requirements and funding may change based on actual execution and evolving mission needs.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p> <p>In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). The calculated increase is inaccurate due to the above stated error.</p> <p>Any actual increase is to continue development and integration of capability such as upgrades for C2 resiliency which includes PLEO, Open Mission System, autonomy, OFP releases, and address DMS issues.</p> <p>Requirements may change based on actual execution and evolving mission needs.</p>					
<p>Title: Test Support</p> <p>Description: Provides support for, but is not limited to, activities for MQ-9 testing of weapon system hardware/software testing in accordance with contract standards, developmental testing of new capabilities, and R&M upgrades.</p> <p>FY 2025 Plans:</p> <p>In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). FY2025 execution amounts will be entered at the time the database allows such adjustments.</p> <p>In FY2025 test support will continue to provide government agencies support for MQ-9 testing to include acceptance testing of weapon system hardware/software in accordance with contract standards, developmental testing of new capabilities, and R&M improvements.</p>			5.700	0.000	4.780

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV			Project (Number/Name) 675212 / MQ-9 SLAM				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2024	FY 2025	FY 2026		
<div>FY2025 accomplishments include:</div> <div>•Developmental test completed in February 2025 on latest iteration of OFP release and resumed planning for next release in the cycle</div> <div>•Completed 12 Acceptance Flight Tests across the MQ-9 enterprise</div> <div>•Completed accelerated testing for JUON EC-0020 and power storage upgrade</div> <div>•Completing developmental test support to technology maturation efforts for Open Mission Systems and Command and Control Resiliency</div> <div>•Pilot Sensor Operator (PSO) and Detachment (DET) 3 Test Support</div> <div>Requirements may change based on actual execution and evolving mission needs.</div> <div>FY 2026 Plans:</div> <div>In FY2026 test support will continue to provide government agencies support for MQ-9 testing to include acceptance testing of weapon system hardware/software in accordance with contract standards, developmental testing of new capabilities, and R&M improvements.</div> <div>FY2026 accomplishments include:</div> <div>•Test planning and initial integration test will continue for next OFP release in the cycle</div> <div>•Pilot Sensor Operator (PSO) and Det 3 Test Support</div> <div>Requirements may change based on actual execution and evolving mission needs.</div> <div>FY 2025 to FY 2026 Increase/Decrease Statement:</div> <div>In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). The calculated increase is inaccurate due to the above stated error.</div> <div>Any actual increase will continue to provide government agencies support for MQ-9 testing to include acceptance testing of weapon system hardware/software in accordance with contract standards, development of new capabilities, and R&M improvements.</div>											
Accomplishments/Planned Programs Subtotals							82.116	0.000	26.393		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 06 PRDTB1: MQ-9	0.000	0.000	20.728	-	20.728	-	-	-	-	-	-
• APAF 05 PRDTB2: MQ-9 Mods	98.063	12.351	100.923	-	100.923	-	-	-	-	-	-
Remarks											

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675212 / MQ-9 SLAM
<p>D. Acquisition Strategy</p> <p>Acquisition of MQ-9 SLAM is accomplished via sole-source contracts with General Atomics-ASI, Raytheon, and L-3 Communications, prime contractors, and United States Government (USG) Labs. Management of development and fielding of new capabilities will be through an Agile Acquisition Strategy that combines the rigor of an event driven development process (referred to as a Technology Maturation Effort (TME)) with the expedited delivery of a schedule driven integration and fielding process. This will allow continued baseline improvements while rapidly integrating limited urgent needs.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675212 / MQ-9 SLAM					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 SLAM	SS/CPAF	GA-ASI : Poway, CA	0.000	75.616	Nov 2023	-		20.493	Nov 2025	-		20.493	-	-	-
Subtotal			0.000	75.616		-		20.493		-		20.493	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : Various	0.000	5.700	Jun 2024	-		4.780	Nov 2025	-		4.780	-	-	-
Subtotal			0.000	5.700		-		4.780		-		4.780	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Government Costs	Various	Various : Various	0.000	0.800	Jan 2025	-		1.120	Feb 2026	-		1.120	-	-	-
Subtotal			0.000	0.800		-		1.120		-		1.120	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	82.116		-		26.393		-		26.393	-	-	N/A
Remarks															
In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212).															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0205219F / MQ-9 UAV			675212 / MQ-9 SLAM				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MQ-9 SLAM																												
MQ-9 SLAM																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675212 / MQ-9 SLAM

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MQ-9 SLAM				
MQ-9 SLAM	1	2024	4	2027
Test Support	1	2024	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675247 / Squadron Operations Centers (SOC)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675247: Squadron Operations Centers (SOC)	0.000	0.277	0.260	0.296	0.000	0.296	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The SOC is required to employ Remote Split Operations (RSO). It provides the communications, network, aircraft control and sensor distribution circuits to effectively execute RSO missions. The SOC provides CONUS-based aircrews mission data, tasking, and ability to disseminate and exchange mission data with decision-makers and intelligence entities. This effort defines component standards, develops, and integrates new technologies to maintain currency with technological and platform advancements.

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.

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

	FY 2024	FY 2025	FY 2026
Title: Squadron Operations Center	0.277	0.260	0.296
Description: Development of a SOC common to Air Combat Command (ACC), Air Force Special Operations Command (AFSOC), and Air National Guard (ANG). Major capabilities include secure mission communications; data reception, recording, editing, analysis, dissemination, and exchange; mission planning, preparation, and support; mission execution (e.g., updates to threat tracking and targeting, weather tracking, mission status and capability; tactical situational awareness; etc.); and mission reconstruction and debriefing.			
FY 2025 Plans: Continued support of the DT/OT SOC. This is required to integrate new technologies to maintain currency with technological and platform advancements in SOC Systems Integration Lab (SIL).			
FY 2026 Plans: Continued support of the DT/OT SOC. This is required to integrate new technologies to maintain currency with technological and platform advancements in SOC Systems Integration Lab (SIL).			
FY 2025 to FY 2026 Increase/Decrease Statement: Slight increase to continue Developmental/Operational Testing of the DT/OT SOC.			
Accomplishments/Planned Programs Subtotals	0.277	0.260	0.296

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force							Date: June 2025		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV			Project (Number/Name) 675247 / Squadron Operations Centers (SOC)		

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

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• OPAF 03 Line Item 837300: <i>Base Communications Infrastructure</i>	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-

Remarks

Since 2004, MQ-1/MQ-9 squadrons have acquired equipment, on an ad hoc basis, to provide the communications, network, aircraft control, and sensor distribution circuits needed to execute RSO missions. OPAF funding will be used to standardize and modernize existing RPA SOC capability, which is required to reduce security vulnerabilities, as well as address end of life/end of support issues of existing RPA SOC equipment. The Developmental Testing (DT) SOC will be used to further enhance the program's ability to update future RPA-SOC modernization efforts.

D. Acquisition Strategy

AFLCMC/WII manages the SOC Program for ACC, AFSOC, and ANG through organic development at the 577 Software Engineering Squadron (SWES) / 578 SWES, and hardware/software procurement utilizing the installation contractor.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV						Project (Number/Name) 675247 / Squadron Operations Centers (SOC)			
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RPA SOC Support	C/Various	AMIC - Cape Fox : TBD	0.000	0.277	Mar 2024	0.260	Mar 2025	0.296		-		0.296	-	-	-
Subtotal			0.000	0.277		0.260		0.296		-		0.296	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.277		0.260		0.296		-		0.296	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025									
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV					Project (Number/Name) 675247 / Squadron Operations Centers (SOC)									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
DT/OT SOC Development , Testing, Installation and Maintenance																												
DT/OT SOC																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675247 / Squadron Operations Centers (SOC)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DT/OT SOC Development , Testing, Installation and Maintenance				
DT/OT SOC	2	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675249 / MQ-9 Upgrade			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675249: MQ-9 Upgrade	0.000	0.000	6.814	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The MQ-9 Upgrade Program delivers new software, hardware, and integrations to the MQ-9 fleet to keep pace with changing mission demands. The goal is to introduce improvements in software, hardware, and sustainability, addressing requirements outlined in the Combat Capability List (CCL). These requirements encompass a wide range of areas, including MQ-9 Multi-Domain Operations (M2DO), simplified system configurations, technology upgrades, enhanced pilot awareness, improved reconnaissance and targeting, expanded weapon options, increased adaptability to different environments, better security, reduced logistical burden, warfighter training, and addressing parts obsolescence. The MQ-9 program is currently supporting Joint Urgent Operational Needs requests CC-0575, CC-0578, and EC-0020.

M2DO configuration consists of Anti-Jamming GPS, Enhanced Power, Link 16, Open Mission System (OMS) (to include Stellar Relay and Intelligent Electronics Unit (iEU)), and Command and Control (C2) Resiliency to maintain its viability in modern conflict.

In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212).

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 2024	FY 2025	FY 2026
Title: MQ-9 Upgrade	0.000	3.414	0.000
Description: Develop and integrate upgrade capabilities in support of the MQ-9 Upgrade Strategy. Development will combine the rigor of an event driven development process (referred to as Technology Maturation Effort (TME)) with the expeditious delivery of a schedule driven integration and fielding process. New capabilities include, but are not limited to, upgrades of existing aircraft, Ground Control Stations (GCSs), communication capabilities, payload systems, and the Multi-Spectral Targeting System (MTS-B). Upgrade capabilities also include software updates, the addition of new capabilities and subsystems, development of operator simulators for training purposes and the resolution of DMS issues.			
Candidate capabilities are determined by Major Command (Air Combat Command (ACC), Air Force Special Operations Command (AFSOC)) direction and inputs that included Joint Urgent Operational Need (JUON) and Urgent Operational Need (UON) requests.			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV		Project (Number/Name) 675249 / MQ-9 Upgrade	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
There will be cost sharing on development, where appropriate, on joint efforts that are required by all programs to support the new capabilities.					
<p>FY 2025 Plans: In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). FY2025 execution amounts will be entered at the time the database allows such adjustments. MQ-9 Upgrade will continue to develop M2DO capabilities, resolve DMS issues and continue upgrading mandated capabilities to include, but not limited to, Link 16, Mode 5, data encryption, and weapons usability improvements.</p> <p>FY 2026 Plans: MQ-9 Upgrade will continue to develop M2DO capabilities, resolve DMS issues and continue upgrading mandated capabilities to include, but not limited to, Link 16, Mode 5, data encryption, and weapons usability improvements.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). The database calculated decrease is inaccurate due to the above stated error. Any decrease of funding is because remaining development and integration efforts are captured in the MQ-9 SLAM BPAC.</p>					
<p>Title: Test Support</p> <p>Description: MQ-9 Upgrade testing provides support including, but not limited to: activities for MQ-9 testing of weapon system hardware and software in accordance with contract standards, developmental testing of new capabilities, and R&M upgrades.</p> <p>FY 2025 Plans: In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). FY2025 execution amounts will be entered at the time the database allows such adjustments. Continue to provide government agencies support for MQ-9 testing to include acceptance testing of weapon system hardware/software in accordance with contract standards, developmental testing of new capabilities, and R&M improvements.</p> <p>FY 2026 Plans: Continue to provide test support including, but not limited to: activities for MQ-9 testing of weapon system hardware and software in accordance with contract standards, developmental testing of new capabilities, and R&M upgrades.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement:</p>			0.000	3.400	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675249 / MQ-9 Upgrade	

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

	FY 2024	FY 2025	FY 2026
In the FY2025 PB there was a database error which incorrectly placed the entire budget in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212). FY2025 execution amounts will be entered at the time the database allows such adjustments. Any decrease of funding is because remaining development and integration efforts are captured in the MQ-9 SLAM BPAC.			
Accomplishments/Planned Programs Subtotals	0.000	6.814	0.000

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

Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 06 PRDTB1: MQ-9 UAV	0.000	0.000	20.728	-	20.728	-	-	-	-	-	-
• APAF 05 PRDTB2: MQ-9 Mods	98.063	12.351	100.923	-	100.923	-	-	-	-	-	-

Remarks

In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212).

D. Acquisition Strategy

Acquisition of MQ-9 Upgrade is accomplished via sole-source contracts with General Atomics-ASI, Raytheon, and L-3 Communications, prime contractors, and Other Government Agencies. Management of development and fielding of new capabilities will be through an Agile Acquisition Strategy that combines the rigor of an event driven development process (referred to as a Technology Maturation Effort (TME)) with the expedited delivery of a schedule driven integration and fielding process. This will allow continued baseline improvements while rapidly integrating limited urgent needs fleet-wide.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675249 / MQ-9 Upgrade					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 Upgrade	SS/CPFF	GA-ASI : Poway, CA	0.000	-		3.188	Jun 2025	-		-		-	-	-	-
Subtotal			0.000	-		3.188		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : Various	0.000	-		3.400	Jun 2025	-		-		-	-	-	-
Subtotal			0.000	-		3.400		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Government Costs	Various	Various : Various	0.000	-		0.226	Feb 2025	-		-		-	-	-	-
Subtotal			0.000	-		0.226		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		6.814		-		-		-	-	-	N/A
Remarks															
In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.814M in the MQ-9 Upgrade BPAC (675249). The Air Force will execute the FY2025 budget out of both the MQ-9 Upgrade BPAC (675249) and the MQ-9 SLAM BPAC (675212).															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																Date: June 2025			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0205219F / MQ-9 UAV								675249 / MQ-9 Upgrade			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
MQ-9 ACAT II Development																												
MQ-9 Upgrade																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675249 / MQ-9 Upgrade

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MQ-9 ACAT II Development				
MQ-9 Upgrade	1	2024	4	2025
Test Support	1	2024	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0205671F I Joint Counter RCIED Electronic Warfare							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	2.303	3.372	3.424	0.000	3.424	-	-	-	-	-	-
674518: JCREW VEHICLE INTEGRATION	0.000	2.303	3.372	3.424	0.000	3.424	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program funds Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems. CREW devices are self-protection systems critical to Mine Resistant, Ambush Protected (MRAP) vehicle mounted, Joint Light Tactical Vehicle (JLTV) mounted, Explosive Ordinance Disposal and Tactical Air Control Party (TACP) dismounted and Security Forces (SF) Entry Control Point fixed operations. Includes integration of the devices into currently fielded systems.

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 \$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.

B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	2.303	3.372	3.458	0.000	3.458
Current President's Budget	2.303	3.372	3.424	0.000	3.424
Total Adjustments	0.000	0.000	-0.034	0.000	-0.034
• 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	-0.034	0.000	-0.034

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0205671F I Joint Counter RCIED Electronic Warfare							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
Title: JCREW Vehicle Integration										2.303	3.372	3.424
Description: Program funds Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems.												
FY 2025 Plans: Program continues to fund Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems.												
FY 2026 Plans: Program continues to fund Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems.												
FY 2025 to FY 2026 Increase/Decrease Statement: JCREW funding increase from FY25 to FY26 to meet increased requirement and mission needs.												
Accomplishments/Planned Programs Subtotals										2.303	3.372	3.424
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• OPAF 04 Line Item 845100: Engineering and EOD Equipment	0.000	0.000	-	-	-	-	-	-	-	-	-	
Remarks Program funds Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems. CREW devices are self-protection systems critical to Mine Resistant, Ambush Protected (MRAP)& Joint Light Tactical Vehicle (JLTV) mounted, Explosive Ordinance Disposal and Tactical Air Control Party dismounted and Entry Control Point operations. Includes software update integration into currently fielded systems.												
E. Acquisition Strategy Contracts will be competitively awarded when possible.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0205671F / Joint Counter RCIED Electronic Warfare						Project (Number/Name) 674518 / JCREW VEHICLE INTEGRATION					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Services	C/CPFF	NAVSEA PMS-408 : Washingtonn, DC	-	2.303	Nov 2023	3.372	Nov 2024	3.424	Nov 2025	-		3.424	-	-	-		
Subtotal			-	2.303		3.372		3.424		-		3.424	-	-	N/A		
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	2.303		3.372		3.424		-		3.424	-	-	N/A		
Remarks																	
Funds Air Force fair share of research and development efforts to update software for fielded CREW systems, supporting EOD, Security Forces, and TACP Airmen. Software updates ensure mounted, dismounted, and fixed site CREW systems remain effective against evolving commercially available technologies.																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0205671F / Joint Counter RCIED Electronic Warfare		
			Project (Number/Name) 674518 / JCREW VEHICLE INTEGRATION		

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
J CREW Integration																												
JCREW Vehicle Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205671F / Joint Counter RCIED Electronic Warfare	Project (Number/Name) 674518 / JCREW VEHICLE INTEGRATION

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
J CREW Integration				
JCREW Vehicle Integration	1	2024	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207040F I Multi-Platform Electronic Warfare Equipment							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	14.312	0.000	0.000	0.000	0.000	-	-	-	-	-	-
670400: SPECTRUM WARFARE ATTACK CAPABILITY	0.000	14.312	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
In FY 2025, Project Multi-Platform Electronic Warfare Equipment projected for completion. No funding requested for FY26.

A. Mission Description and Budget Item Justification
The Angry Kitten Combat System (AKCS) program has developed electronic attack capabilities supporting USAF fighter and attack platforms. The current 4th generation electronic warfare (EW) pods have diminishing manufacturing sources and require advanced capabilities. The AKCS program developed prototype EW systems for 4th/5th generation aircraft that improve threat detection techniques, incorporate open system architecture, and advance rapid reprogramming capabilities. Funds were utilized to leverage existing EW pod components and develop a relevant EW system supporting fighter and attack platforms. No funding required in FY26.

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 FY23 0.0M was expended for civilian pay expenses in this program element. In FY24, FY25 & 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207040F I Multi-Platform Electronic Warfare Equipment				
B. Program Change Summary (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		7.312	0.000	0.000	0.000	0.000
Current President's Budget		14.312	0.000	0.000	0.000	0.000
Total Adjustments		7.000	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		7.000	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
Congressional Add Details (\$ in Millions, and Includes General Reductions)					FY 2024	FY 2025
Project: 670400: SPECTRUM WARFARE ATTACK CAPABILITY						
Congressional Add: AI for Cognitive EW					7.000	0.000
Congressional Add Subtotals for Project: 670400					7.000	0.000
Congressional Add Totals for all Projects					7.000	0.000
Change Summary Explanation						
FY24 add for \$7M Spectrum Warfare Attack Capability						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Spectrum Warfare Attack Capability				7.312	0.000	0.000
Description: Spectrum Warfare Attack Capability will rapidly develop a prototype electronic warfare system for 4th/5th generation aircraft with open system architecture capability of addressing 21st century threats.						
FY 2025 Plans: N/A						
FY 2026 Plans: N/A						
FY 2025 to FY 2026 Increase/Decrease Statement:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207040F I Multi-Platform Electronic Warfare Equipment							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
N/A												
Accomplishments/Planned Programs Subtotals										7.312	0.000	0.000
										FY 2024	FY 2025	
Congressional Add: AI for Cognitive EW										7.000	0.000	
FY 2024 Accomplishments: Funding will be utilized to develop Generational 3 AI for the EW, integration onto tactically relevant hardware, and support flight qualifying the advanced hardware the AI is hosted on.												
FY 2025 Plans: No funding in FY25												
Congressional Adds Subtotals										7.000	0.000	
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• APAF 07 000075: Other Production Charges	0.000	0.000	-	-	-	-	-	-	-	-	-	
Remarks												
E. Acquisition Strategy												
<p>- Angry Kitten Combat System (AKCS) is a Middle Tier of Acquisition (MTA) program using Section 804 authority in accordance with AFGM2019-63-01, Air Force Guidance Memorandum for Rapid Acquisition Activities, 27 Jun 2019. Strategic goals are to rapidly develop and test advanced prototype electronic warfare systems with open system architecture, rapidly re-programmable capability, modular design, software-defined functionality, and cognitive technology. The acquisition strategy will include support from the following: University Academic Research Center (UARC), Other Transaction Authorities (OTA), and Industry Consortiums. The total cost of the AKCS Middle Tier of Acquisition effort is \$85.597 million. Project AKCS was completed in May 2025.</p> <p>- Congressional add for AI for Cognitive EW will be utilized to develop Generational 3 AI for the EW, integration onto tactically relevant hardware, and support flight qualifying the advanced hardware the AI is hosted on. Support from SWRI.</p>												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207040F / <i>Multi-Platform Electronic Warfare Equipment</i>						Project (Number/Name) 670400 / <i>SPECTRUM WARFARE ATTACK CAPABILITY</i>			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AI/ML Cognitive EA	SS/CPFF	AFRL/DTIC : Dayton, OH	-	2.362	Dec 2023	-		-		-		-	-	-	-
AI/ML Cog EW	SS/CPFF	SWRI : Dayton, OH	-	6.300	Oct 2024	-		-		-		-	-	-	-
Subtotal			-	8.662		-		-		-		-	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AC&SI Support	SS/CPFF	HII : Dayton, OH	-	1.500	Jun 2024	-		-		-		-	-	-	-
Subtotal			-	1.500		-		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Testing	SS/CPFF	GTRI : Atlanta, GA	-	1.500	Dec 2023	-		-		-		-	-	-	-
Subtotal			-	1.500		-		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/Travel	SS/CPFF	PE Systems : Fairfax, VA	-	2.650	Feb 2024	-		-		-		-	-	-	-
Subtotal			-	2.650		-		-		-		-	-	-	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	14.312	-		-		-		-	-	-	N/A	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force							Date: June 2025			
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0207040F / Multi-Platform Electronic Warfare Equipment			Project (Number/Name) 670400 / SPECTRUM WARFARE ATTACK CAPABILITY				
	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force											Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0207040F / Multi-Platform Electronic Warfare Equipment					670400 / SPECTRUM WARFARE ATTACK CAPABILITY				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
AKCS Increment 2																												
Development																												
Test/Experiments																												
AKCS Increment 3																												
Development																												
Test/Experiments																												
AI for Cog EW																												
Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207040F / Multi-Platform Electronic Warfare Equipment	Project (Number/Name) 670400 / SPECTRUM WARFARE ATTACK CAPABILITY	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
AKCS Increment 2				
Development	1	2024	1	2025
Test/Experiments	1	2024	1	2025
AKCS Increment 3				
Development	1	2024	2	2025
Test/Experiments	1	2024	2	2025
AI for Cog EW				
Development	1	2025	2	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	119.589	104.252	216.638	0.000	216.638	-	-	-	-	-	-
672671: F-16 Squadrons	0.000	119.589	104.252	216.638	0.000	216.638	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F-16 is a multi-role fighter that comprises roughly 40% of the USAF fighter fleet with over 830 aircraft supporting a variety of air-to-air and air-to-surface missions, such as offensive and defensive counter-air, close air support, forward air control, air interdiction (day/night and all-weather) and Suppression of Enemy Air Defenses (SEAD)/Destruction of Enemy Air Defenses (DEAD). F-16 posture and readiness combined with low operating costs deliver affordable capacity for the USAF and partner nations. Its capabilities continue to evolve, capitalizing upon advancements made in computers, avionics systems, engines, and structural technologies. These advancements meet emerging warfighter requirements to combat current and evolving enemy threats. Funding described in this document provides upgrades to the F-16 platform necessary for the delivery of joint lethality in the coming decades. These computer processing and avionics upgrades are critical to a modernized architecture compatible with current open, agile, and digital concepts that will maintain platform viability into the 2040s.

Post-Block and Pre-Block F-16s have similar capabilities and are interoperable but require some independent modernization and sustainment of hardware, software, and training.

The F-16 Foreign Military Sales (FMS) Program is one of the largest in DoD, providing assurance to 29 partners and growing. F-16 remains in production in South Carolina and additional nations continue to commit to new aircraft purchases.

RDT&E efforts include, but are not limited to, enduring programs for Operational Flight Program (OFP) Software (SW) development, Integrated Test activities, Active Electronically Scanned Array (AESA) radar, Simulators/Trainers, Engineering Manufacturing and Design (EMD) Hardware/Advanced capability improvements, and Diminishing Manufacturing Sources (DMS). Programs ending funded development activities for Integrated Viper Electronic Warfare Suite (IVEWS) and M-Code. Programs complete or nearing full development completion for Modular Mission Computer (MMC) Upgrade/Programmable Display Generator (PDG) Upgrade, Advanced Identification Friend or Foe (AIFF-Mode 5) APX-127, and Data Bus Cybersecurity.

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, 0605898F. In FY24, 7.067M is the estimate for civilian pay expenses in this program element, and in FY25 7.397M is forecasted for civilian pay expenses in this program element.

This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute, and delivery F-16 modifications for emergent or unanticipated weapon system capability. The use of such program funds would be in addition to civilian pay expenses budgeted in program element 0605828F.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons				
The FY 2026 request was reduced by \$2.148 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		98.633	106.952	199.054	0.000	199.054
Current President's Budget		119.589	104.252	216.638	0.000	216.638
Total Adjustments		20.956	-2.700	17.584	0.000	17.584
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-1.880	-2.700			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		15.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		9.484	0.000			
• SBIR/STTR Transfer		-1.648	0.000			
• Other Adjustments		0.000	0.000	17.584	0.000	17.584
Change Summary Explanation						
FY24 adjustments include Congressional Adds of \$5M for Battery Replacement and \$10M for Data Bus Cybersecurity and several small Congressional Marks totaling -\$1.880M. Also, \$9.484M was reprogrammed from F-22 (\$4.485M was payback for the use of FY23 funds, \$4.999M was for OFP shortfalls). FY25 reduced \$2.7M in Full-Year Continuing Resolution due to Integrated Test due to carryover. FY26 adjustment is a restoral of funds for F-16 Training Simulators and F-16 Integrated Test due to prior year funds pulled for higher priority requirements.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: OFP Updates on all F-16 aircraft				58.007	88.324	143.938
Description: OFP versions are updated continually to integrate new mission capabilities, weapons, targeting pods, and improved avionics. F-16 OFPs are developed 100% organically by the 309th Software Engineering Group (SWEG) at Hill AFB, UT. Increment 2 OFP is comprised of annual OFP production releases consisting of pre-block called "SCU" and post-block "M-Series" software releases. Main thrusts will integrate new precision weapons, advanced targeting pods, and improved avionics to meet DoD mandates in order to modernize the F-16's architecture. Systems Integration Labs (SILs) are required to integrate software into the various hardware, validate user requirements, and review system safety and security prior to release to flight test. These labs require annual upgrades to increase development and test efficiencies which also includes Development-Security-Operations						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>(DevSecOps) technologies. The OFP effort also contains Program Management Administration (PMA) support activities to include, but are not limited to, travel, office supplies, training courses, Video Teleconferencing (VTC), support contractors, nuclear certification support, and to support flight test personnel and equipment in order to keep facilities active.</p> <p>FY 2025 Plans: Develop requirements, support testing, and field Increment 2 annual releases. Completed development and testing for SCU 13 OFP with the following software candidates: Comm Suite Mobile User Objective System (MUOS) integration, M-Code, Active Electronically Scanned Array (AESA) radar function on tactical awareness display (TAD), threat correlation, Joint Air-to-Surface Standoff Missile (JASSM) Dynamic Targeting Phase II, while maintaining and upgrading portions of the SIL. Began developing requirements for SCU 14 OFP with the following software candidates: MUOS Integration Phase II, JASSM DT Phase III, Long Range Anti-Ship Missile (LRASM). Continue Development for Increment 2 (INC 2) M-Series M8.2 OFP with the following major candidates: AESA phase III, Comm Suite upgrade, JASSM Dynamic Targeting Phase II, MIDS-JTRS queuing Enhanced Data Link (EDL) while maintaining and upgrading portions of the SIL to the M8.2 OFP baseline. Continue bolstering Cyber Security defenses and implementation of secure network infrastructure to enable large data transfers between CONUS and OCONUS bases. Execute secure data management/cloud services for storage of large amounts of flight test/operational data to allow rapid agile OFP software fixes to meet crucial operational CONUS and OCONUS needs.</p> <p>FY 2026 Plans: Funding supports the fielding of M8.2 and begin the development for M8.3 to include but not limited to the following candidates: SMDS hardware fielding, advanced processing integration, remote interface panel, MIDS-J Block Upgrade-3 (BU3) insertion, MUOS data addition. Also supports the completion of the development, test, and fielding of SCU 14 and begins the development on SCU 15 to include but not limited to the following candidates: continued LRASM integration, Miniature Air-Launched Decoy - Jammer (MALD-J), Small Diameter Bomb (SDB) II integration, Advanced Anti-Radiation Guided Missile - Extended Range (AARGM-ER) Integration. Develop requirements via Agile Software Development pipeline and continuing upgrading portions of the SIL to the M8 OFP baseline. Execute secure data management/cloud services for storage of large amounts of flight test/operational data to allow rapid agile OFP software fixes to meet crucial operational CONUS and OCONUS needs. Integrate Cyber defense into DevSecOps/Agile OFP development and acceptance test software integration Laboratory (SIL) stand-up. Purchases test weapons LRASM, AARGM-ER, JASSM B3, and SiAW for technology integration for 5th and 6th Gen Fighters (2+ year lead-time).</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase in FY 2026 for testing and fielding M8.2 and SCU14 and begin development of M8.3 and SCU 15 along with corresponding SIL upgrades to include additional stand up of capabilities/toolsets, software integration and test equipment buys; increase for delayed test weapons buys for technology integration for 5th and 6th Generation fighters (LRASM, AARGM-ER,</p>				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
JASSM B3, Stand-in Attack Weapon (SiAW)) and full stand-up and upgrades for the Cyber/Penetration Software Integration Labs (SILs).				
Title: F-16 Integrated Test Description: F-16 Integrated Test provides Developmental and Operational flight testing (DT/OT) for programs across the USAF. This DT/OT addresses F-16 programs as well as other platform weapons, hardware, and software upgrades. Integrated Test funding includes scheduling, managing, and performing sorties, providing test infrastructure (including chase aircraft), facilities, range support, aircraft maintenance, test aircraft modifications, instrumentation, test planning, analysis and test reports required to complete F-16 OFP software and hardware development. Supports F-16 DT/OT infrastructure, facilities (including Special Access Program Facilities (SAP-F)) and communications, contractor support and personnel to enable all other F-16 flight testing and required modifications at Eglin, Edwards and Nellis AFBs. Continued test aircraft instrumentation updates and relocation due to support current and future program displacement. Procurement of captive carry and live fire weapon integration assets and other weapons for F-16 OFP DT/OT. FY 2025 Plans: FY 2025 funding support Flight Test Operations. Completion of F-16 SCU 13 DT/OT and M-Series 8.2.2 / AESA Phase 3.3 DT addressing new radar CID and other classified requirements. Completion of Standby Attitude Indicator (SAI), WAC HUD qualification testing, and Advanced Central Air Data Communications Converter (ACADCC) re-qual. Continuation of SMDS with A-GCAS DT. Continuation of SCU 14 DT/OT, M8.2.3 DT/OT for Rehost of OFP. Support for F-16 OFP DT/OT flight test of cybersecurity upgrades, VENOM, IVEWS, MMC, PDG, HSDN, CDU, Communication Suite and SMDS with A-GCAS OT. Initial DT/OT of F-16 M8.2.4 OFP, APX-127(V), HRPDG as well as various hardware subsystem upgrades and preliminary integration of Advanced Anti-Radiation Guided Missile-Extended Range (AARGM-ER). Significant instrumentation re-design and installation for aged Flight Sciences aircraft for Eglin SEEK EAGLE DT to enable F-16 SEEK EAGLE certification requirements DT. FY 2026 Plans: Completion of F-16 SCU 13 OT, SCU 14 DT/OT and M-Series 8.2.4. Completion of SMDS with A-GCAS DT. Continuation of M8.2.5 DT/OT for Rehost of OFP, HRPDG and APX-127(V)1. DT for Support for F-16 OFP DT/OT flight test of cybersecurity upgrades, VENOM, IVEWS, MMC, PDG, HSDN, and SMDS with A-GCAS OT. Continuation of integration of Advanced Anti-Radiation Guided Missile-Extended Range (AARGM-ER). Initial DT/OT of F-16 M8.3 OFP enabling Ethernet, Composite Stab, Resilient-Embedded Global Positioning System/Inertial (R-EGI) as well as various hardware subsystem upgrades. DT for Brake Controller System (BCS), Advanced Programmable Signal Processor (APSP), and Digital flight Control Computer (DFLCC) power		14.030	5.337	35.297

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions) supply. Significant instrumentation re-design and installation for aged Flight Sciences aircraft for SEEK EAGLE DT to enable F-16 SEEK EAGLE certification requirements DT. Significant weapons and instrumentation buys that have been delayed in prior years. FY 2025 to FY 2026 Increase/Decrease Statement: Increased testing activities for three OFP M-Series updates - M8.1 Wrap Up, M8.2 Main Testing, & M8.3 Initial Start. Significant weapons equipment buys for testing that have been delayed (from multiple prior years) - Joint Air-to-Surface Standoff Missile (JASSM-ER), Small Diameter Bomb (SDB), and Joint Direct Attack Munition (JDAM) Intelligent Test Instrumentation Kits, and other weapons. Telemetry kit buys related to AIM 120 Advanced Medium-Range Air-to-Air Missile (AMRAAM) and AGM-88 HARM tactical air-to-surface anti-radiation missile are radio monitored tactical, air-to-surface anti-radiation missiles. And, instrumentation buys for flight sciences aircraft to continue supporting aircraft-store compatibility and certification process (AF SEEK EAGLE). Flight test IT infrastructure upgrades to connect test sites provide secure offsite data storage. Significant recapitalization of flight test aids and aircraft instrumentation systems delayed in prior years.		FY 2024	FY 2025	FY 2026
Title: EMD HW/Advanced Capabilities Improvements Description: Advanced Capability Improvements include, but are not limited to, sensor upgrades, radar updates and other self- protection/electronic protection (EP) enhancements, 4th/5th gen fighter network communications, Radio Frequency (RF) compatibility, requirements and studies analysis, lab, and/or on-aircraft evaluation of potential subsystem changes / capability improvements, and battery replacement. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A		4.853	0.000	0.000
Title: Modular Mission Computer (MMC) / Programmable Display Generator (PDG) Upgrade on F-16 aircraft Description: The MMC upgrade on the F-16 post-block aircraft, (Blk 40, 42, 50, 52) resolves shortfalls in mission computer processing, memory and throughput. MMC upgrade also incorporates new cybersecurity protection for avionics sub-systems and is the key component to support full AESA Radar capability. Funding includes development, design, integration, and ground/flight test for fielding of improved MMC capabilities with the Increment 1 OFP. The PDG upgrade allows a fully integrated multifunction display solution including Hands On Throttle and Stick (HOTAS) integration with Sensor of Interest (SOI), format swapping, and high definition video on 4x4 displays, and provides a sustainable approach to address growing DMS concerns with the current PDG. Both programs require the addition of an Ethernet based High Speed Data Network (HSDN) that facilitates future		0.814	0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
increments of combat capability with higher data bandwidth rates for system compatibility and interoperability. This program is a critical element to a modernized F-16 technology digital backbone and necessary to modernize the F-16 beyond its current computing capability. Additionally this effort enables the F-16 to effectively communicate with advanced platforms to improve battlefield situational awareness. Without it, all current and future F-16 modernization efforts cannot be supported.				
FY 2025 Plans: N/A				
FY 2026 Plans: N/A				
FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Title: Simulator Trainers Program (STP)		1.500	0.000	9.802
Description: F-16 STP supports the development, acquisition, fielding, and integration of F-16 Simulators. It enables the USAF to exercise and train using the latest F-16 capabilities available to multiple aircraft configurations, while reducing the overall cost of maintenance and aircrew training. In order to maintain concurrency with the aircraft OFP, this funding supports development, test, and integration of simulator upgrades. Funds may be used to address emerging and short notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues. Implements requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative and may include necessary civilian pay expenses required to manage, execute, and deliver F-16 weapon system simulator capabilities.				
FY 2025 Plans: M8 OFP concurrency efforts on-going in FY25 funded with FY23/24 carryover.				
FY 2026 Plans: F-16 STP will support the acquisition, development, fielding, and integration of F-16 Simulators with a targeted focus on enhancing simulator concurrency with M8.2 Operational Flight Program (OFP) software. This effort ensures warfighter readiness by enabling the USAF to train with the most current F-16 capabilities. FY26 Funds will be used to develop and implement M8.2-specific agile software development features, support test, integration, and fielding of simulator updates, and address configuration changes aligned with aircraft modernization. These efforts reduce total lifecycle cost by minimizing aircraft use for training and extending simulator utility.				
FY 2025 to FY 2026 Increase/Decrease Statement:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY23/24 funding covered Simulator Concurrency thru FY25. FY26 funding will continue concurrency efforts for M7.4 and M8.2.				
Title: AIFF Mode 5 Description: AIFF/Mode 5 provides hardware and software/firmware updates required to comply with DoD mandates for Advanced Identify Friend or Foe (AIFF) Mode 5. AIFF provides positive identification for Air Traffic Control reporting, combat targeting, and fratricide prevention. Development of next gen AIFF APX-127 solution. Development of APX-127 solution is cost-shared between USAF and FMS Countries Taiwan and Morocco. FY 2025 Plans: Complete development of APX-127, begin Flight Test and AIMS Certification OFP #4/#5, and complete Dry-Run Ground & Flight Test Blk 30/40 and Stage 3 Temp Radio Frequency Authorization. FY 2026 Plans: Complete Flight Test, Formal Ground & Flight Test Blk 40, AIMS Platform Level Certification leading to MS C and Fielding of APX-127. FY 2025 to FY 2026 Increase/Decrease Statement: Increased funding will be used to complete ground test, flight test, and AIMS certification leading to MS C and fielding recommendation in FY26 for the USAF and FMS fleets.		3.085	3.985	6.225
Title: AESA Radar Description: The AESA Program provides an upgrade from the current, mechanically scanned APG-68 system to an APG-83 electronically scanned AESA radar that offers advanced targeting and electronic protection capabilities as well as improved reliability and maintainability. Ongoing radar Operational Flight Program (OFP) development includes the full Phase III capability development document (CDD) implementation. AESA Phase 3.3 radar software capabilities include additional Maritime detection, combat identification and track; additional classified A-A and A-G Combat Identification; and Enhanced missile Data Link capabilities from the RMP CDD is nearing completion. FY 2025 Plans: AESA 3.3 radar software originally scheduled to complete mid FY25, additional candidates have been added and contract will extend to 31 Dec 25. Development on AESA Phase 3.4 radar software capabilities moved to FY26 start. AESA 3.3 capabilities include completing integration of Enhanced Data Link, Improvements and Enhancements to A-A and A-G Combat Identification and Maritime Detection; Electronic protection improvements and engineering support to complete F-16 post block implementation		0.224	6.426	21.376

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
of Ethernet messaging. Additional engineering support to improve RF compatibility with Sensor Integration Unit (SIU) to complete RFC CDD. FY 2026 Plans: Begin development of AESA Phase 3.4 radar software capabilities which include completing integration of Enhanced Data Link, Improvements and Enhancements to A-A and A-G Combat Identification and Maritime Detection; Electronic protection improvements and engineering support to complete F-16 post block implementation of Ethernet messaging. Additional engineering support to improve RF compatibility with SIU to complete RFC CDD. Additional engineering and software support to improve radar integration with derived requirement RIP+.				
FY 2025 to FY 2026 Increase/Decrease Statement: FY25 funds phase AESA 3.3 extension Apr 25 thru Oct 25 (prior year carryover used to fund efforts up to Apr 25). FY26 funds cover 3.3 completion efforts beginning Nov 25. Beginning in Jan 26, FY26 funds cover AESA phase 3.4 through end of fiscal year. FY26 funds will also cover increased engineering and software support integrating AESA with derived requirements SIU and RIP +.				
Title: Integrated Viper Electronic Warfare Suite (IVEWS) Description: IVEWS is a Section 804 Middle Tier Acquisition program providing improved Digital Radar Warning Receiver performance and Active Jamming capability, with future growth upgrades, in an internal suite. This rapid acquisition program was initiated to design, develop, test, and produce a mature electronic warfare system that is internal to the F-16, interoperable with the Active Electronically Scanned Array radar, designed to Open Missions Systems Tier II requirements, and provisioned for long-term growth capability to support future upgrades such as Fiber Optic Towed Decoy, and Adaptive Processing. Operational Assessment completed in FY 2024 and MTA closure. IVEWS moved into S&T program to complete additional flight test and final program reports. FY 2025 Plans: FY25 funding will be utilized to continue to receive reports from previously funded test events through the S&T Phase. FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A		27.139	0.180	0.000
Title: M Code Description: The current aircraft Embedded GPS/INS (EGI) system suffers from Diminishing Manufacturing Sources (DMS) shortfalls. New security requirements and mandated M-code Enhancement of Positioning, Navigation, and Timing Capacity (PNT)		0.078	0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons						
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
hardware support drive the need for a new EGI solution to support modern resilient weaponry and mission systems. Selected solution Resilient-EGI, development managed by AFLCMC/WNY. F-16 will then integrate R-EGI onto the F-16 platform. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A											
Title: Data Bus Cybersecurity Description: Data Buy Cyber Security: provides increased cyber resiliency for platforms that use MIL- STD 1553. This program will provide an active network-based defensive device to increase the security of the data bus against cyberattacks. The solution will alter messages as they pass through the bus with minimal delay making it difficult for an attacker to disable security and will also prevent loading of malicious OFPs. If one avionics box or Line Replaceable Unit (LRU) has been compromised by an attacker, the attempt by an attacker to access other avionics boxes via the 1553 bus is noticed and action is taken. This funding will support the first phase of implementation in the F-16 fleet. FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A									9.859	0.000	0.000
Accomplishments/Planned Programs Subtotals									119.589	104.252	216.638
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line Item F01600: F-16 Aircraft Modifications	250.549	194.805	513.004	-	513.004	-	-	-	-	-	-
• APAF 07 F01600: F-16	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 07 Line Item F0160P: F-16 Post Production Support	6.984	62.368	18.466	-	18.466	-	-	-	-	-	-
• APAF 06 Line Item F01600: F-16 Initial Spares	8.271	77.373	14.615	-	14.615	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
OFP SW development effort is completely developed organically at Hill AFB (309th SWEG). Numerous Integration contracts (CPFF, FFP) are required to allow for Improved Avionics, Weapon, AIFF Mode 5, MIDS-JTRS integration to successfully field with each OFP.											
Integrated Test requires both organic test range support and contract support for modification integration testing of F-16 programs and subsystems.											
MMC provides the necessary architecture upgrades for the modernization of the F-16 post-block fleet. Raytheon is the Prime with Cost Plus Fixed Fee contract for development, and a Firm Fixed Priced contract for Production.											
PDG will provide a platform for video enhancements, add Ethernet connectivity, increase high-speed data, memory, and throughput, and support OFP growth through the remaining service life of the F-16. General Dynamics is the Prime with Cost Plus Fixed Fee contract for development, and a Firm Fixed Priced contract for Production.											
AIFF Mode 5 program uses numerous contracts for DMS resolution, integration, production, support, and installs. Funding will be awarded on the following contracts: Harness IDIQ, Bracket IDIQ, Lockheed Martin Falcon Enterprise, and BAE Mode 5 IDIQ.											
The Active Electronically Scanned Array (AESA) Joint Emergent Operational Need (JEON) contract for development and production of the APG-83 radar awarded to Northrop Grumman on 31 May 2017. The US Government is the prime integrator and a separate contract is established for Lockheed Martin to provide integration support. AESA JEON completed Mar 22. Remaining RDT&E effort is to fulfill radar software capabilities from the RMP CDD, developed by Northrop Grumman.											
The EMD HW/Advanced capability improvements uses various contract types (Cost Plus and Fixed Price).											
IVEWS was a Section 804 Middle Tier Acquisition prototyping Other Transaction Authority (OTA), the contract awarded 25 September 2019. The IVEWS program is being developed by Northrop Grumman (Rolling Meadows, IL). The Electronic Warfare Radar Frequency Compatibility (EWRFC) contract awarded on Mar 9, 2022 and extended development beyond the OTA with a period of performance end date of 30 Sept, 2025. IVEWS continues to test system performance as a Science & Technology effort under the EWRFC contract.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons	
M-Code is managed by AFLCMC/WNY. The development is contracted to Integrated Solutions for Systems (IS4S).		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons				Project (Number/Name) 672671 / F-16 Squadrons					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Updates on F-16 aircraft	Various	309th SMG : Hill AFB, UT	-	45.625	Oct 2023	77.043	Oct 2024	132.484	Oct 2025	-		132.484	-	-	-
MMC Upgrade / Display Generator Upgrade	Various	Various : Various	-	0.814	Feb 2024	-		-		-		-	-	-	-
Simulator Trainers	C/CPAF	CAE : Various	-	1.500	Apr 2024	-		9.802	Oct 2025	-		9.802	-	-	-
AIFF Mode 5	SS/CPAF	BAE : Various	-	3.085	May 2024	3.985	Oct 2024	6.225	Dec 2025	-		6.225	-	-	-
AESA Radars	C/CPAF	Northrop Grumman : Various	-	0.224	Mar 2025	6.426	Apr 2025	21.376	Oct 2025	-		21.376	-	-	-
EMD HW/Advanced Capabilities Improvements	Various	Various : Various	-	4.853	Jul 2025	-		-		-		-	-	-	-
IVEWS	C/CPAF	Northrop Grumman : Various	-	27.139	Jan 2024	0.180	May 2025	-		-		-	-	-	-
M-Code	Various	AFLCMC/WNY : Various	-	0.078	Mar 2024	-		-		-		-	-	-	-
Data Buy Cybersecurity	C/CPAF	TBD : Various	-	9.859	Apr 2025	-		-		-		-	-	-	-
Subtotal			-	93.177		87.634		169.887		-		169.887	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Reqn	Various : Various	-	7.067	Oct 2023	7.397	Oct 2024	7.443	Oct 2025	-		7.443	-	-	-
Subtotal			-	7.067		7.397		7.443		-		7.443	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Test	Various	Various : Various	-	14.030	Jan 2024	5.337	Jan 2025	35.297	Jan 2026	-		35.297	-	-	-
Subtotal			-	14.030		5.337		35.297		-		35.297	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons				Project (Number/Name) 672671 / F-16 Squadrons					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Mgmt Administrative (PMA) Support	Various	Various : Various	-	5.315	Feb 2024	3.884	Feb 2025	4.011	Feb 2026	-		4.011	-	-	-
Subtotal			-	5.315		3.884		4.011		-		4.011	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	119.589		104.252		216.638		-		216.638	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>	Project (Number/Name) 672671 / <i>F-16 Squadrons</i>
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	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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>F-16 Development Efforts</i>																												
AESA Radar OFP Capability Development 3.3																												
AESA Radar OFP Capability Development 3.4																												
Integrated Test Activities																												
Integrated Test - AESA Radar OFP 3.3 Testing																												
Integrated Test - AESA Radar OFP 3.4 Testing																												
Integrated Test - OFP Inc 1 & 2 M7.4/M8.0.4 OFP Testing																												
Integrated Test - OFP Inc 2 M8.2 Flight Testing																												
Integrated Test - OFP Inc 2 M8.3 Flight Testing																												
Integrated Test - OFP Inc 3 M8.4 Flight Testing																												
Integrated Test - AIFF Mode 5 Flight Testing																												
Integrated Test - IVEWS Flight Testing																												
Integrated Test - OFP Inc 1 SCU 12 DT/OT Flight Testing																												
Integrated Test - OFP Inc 2 SCU 12/13 Flight Testing																												
Integrated Test - OFP Inc 2 SCU 14 Flight Testing																												
Integrated Test - OFP Inc 2 SCU 15 Flight Testing																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>	Project (Number/Name) 672671 / <i>F-16 Squadrons</i>
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	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Test - Flight Sciences Aircraft Recapitlization																												
Simulators Concurrency Development M8.2																												
OFP Inc 1 & 2 M7.4/M8.0.4 OFP Fielding																												
OFP Inc 2 M8.1 Flight Test Only																												
OFP Inc 2 M8.2 OFP Fielding																												
AIFF Mode 5 Flight Test																												
AIFF Mode 5 AIMS Certification OFP #4																												
AIFF Mode 5 Dry-Run Ground Test Blk 30/40																												
AIFF Mode 5 AIMS Certification OFP#5																												
AIFF Mode 5 Stage 3 Temp Radio Frequency Authorization																												
AIFF Mode 5 Formal Ground & Flight Test Blk 40																												
AIFF Mode 5 AIMS Platform Level Cert OFP#5																												
IVEWS Flight Test/Operational Assessment																												
OFP Inc 1 SCU 12 DT/OT																												
OFP Inc 2 SCU 12/13 OFP Fielding (Inc 2)																												
OFP Inc 2 SCU 14 OFP Fielding																												
OFP Inc 3 SCU 17 OFP Fielding																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force

Date: June 2025

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0207133F / F-16 Squadrons

Project (Number/Name)

672671 / F-16 Squadrons

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
F-16 Development Efforts				
AESA Radar OFP Capability Development 3.3	1	2024	1	2026
AESA Radar OFP Capability Development 3.4	2	2026	3	2028
Integrated Test Activities	1	2024	4	2030
Integrated Test - AESA Radar OFP 3.3 Testing	1	2024	1	2026
Integrated Test - AESA Radar OFP 3.4 Testing	2	2026	3	2028
Integrated Test - OFP Inc 1 & 2 M7.4/M8.0.4 OFP Testing	1	2024	3	2024
Integrated Test - OFP Inc 2 M8.2 Flight Testing	2	2024	2	2026
Integrated Test - OFP Inc 2 M8.3 Flight Testing	3	2025	2	2027
Integrated Test - OFP Inc 3 M8.4 Flight Testing	3	2026	2	2028
Integrated Test - AIFF Mode 5 Flight Testing	3	2025	2	2026
Integrated Test - IVEWS Flight Testing	4	2024	4	2025
Integrated Test - OFP Inc 1 SCU 12 DT/OT Flight Testing	1	2024	2	2024
Integrated Test - OFP Inc 2 SCU 12/13 Flight Testing	2	2024	2	2025
Integrated Test - OFP Inc 2 SCU 14 Flight Testing	2	2025	2	2026
Integrated Test - OFP Inc 2 SCU 15 Flight Testing	2	2026	2	2027
Integrated Test - Flight Sciences Aircraft Recapitlization	2	2025	3	2027
Simulators Concurrency Development M8.2	4	2026	4	2026
OFP Inc 1 & 2 M7.4/M8.0.4 OFP Fielding	1	2024	3	2024
OFP Inc 2 M8.1 Flight Test Only	1	2024	2	2026
OFP Inc 2 M8.2 OFP Fielding	3	2026	3	2026
AIFF Mode 5 Flight Test	3	2025	2	2026
AIFF Mode 5 AIMS Certification OFP #4	1	2025	4	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons		Project (Number/Name) 672671 / F-16 Squadrons	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
AIFF Mode 5 Dry-Run Ground Test Blk 30/40		1	2025	1	2025
AIFF Mode 5 AIMS Certification OFP#5		1	2025	1	2025
AIFF Mode 5 Stage 3 Temp Radio Frequency Authorization		1	2025	1	2025
AIFF Mode 5 Formal Ground & Flight Test Blk 40		2	2026	2	2026
AIFF Mode 5 AIMS Platform Level Cert OFP#5		3	2026	3	2026
IVEWS Flight Test/Operational Assessment		4	2024	4	2025
OFP Inc 1 SCU 12 DT/OT		1	2024	2	2024
OFP Inc 2 SCU 12/13 OFP Fielding (Inc 2)		3	2025	3	2025
OFP Inc 2 SCU 14 OFP Fielding		3	2026	3	2026
OFP Inc 3 SCU 17 OFP Fielding		3	2029	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207134F I F-15E Squadrons							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	40.348	158.603	233.018	0.000	233.018	-	-	-	-	-	-
676020: F-15 Modernization	0.000	40.348	158.603	233.018	0.000	233.018	-	-	-	-	-	-

Note

This program, BA 7, PE 0207134F, project 676020, Eagle Tether, is a new start.

A. Mission Description and Budget Item Justification

The F-15C continues to provide air superiority with an undefeated and unmatched aerial combat record. The F-15E retains this air superiority capability and adds systems, such as conformal fuel tanks (CFTs), advanced imaging and targeting systems, to meet the requirement for all-weather, deep-penetration, and night/under-the-weather, air-to-surface attack.

Upgrades to F-15 aircraft are critical to maintaining combat viability (lethality, survivability, and supportability) in support of the National Defense Strategy. With newer F-15E aircraft projected to remain in service past 2040, avionics modernization is key to long-term weapon system viability. Major avionics upgrades include radar modernization (both hardware and software) and capability enhancements via precision timing, data delivery and processing technology, precision registration systems, display optimization, instrumentation digitization and modernization, central computer processing power increases, digital mission event recording systems, and an infrared (IR)-based fire control system. The proliferation of fourth-generation enemy aircraft and sophisticated "double-digit" anti-aircraft missile systems pose a significant threat to F-15 survivability. A fully integrated electronic warfare suite holds the promise of providing improved survivability as well as expanded electronic attack capability. Nearly all new avionics or weapons capabilities require an Operational Flight Program (OFP) software update to fully employ the capability. OFP updates are directly linked to ACC prioritized capability needs which are continuously assessed and updated. OFP's agile development framework provides the ability to quickly change capability development focus to meet the time-based need to mitigate and defeat emerging threats. The OFP agile development framework integrates and deploys new capabilities on an annual basis to incorporate new technology/equipment or improvements for support equipment, mission planning systems, and training device upgrades which enhance performance, supportability, and aircrew training.

Funds may be used to resolve issues among the F-15 fleet (e.g., emerging safety of flight issues and diminishing manufacturing sources), to accommodate technology insertion, and to fulfill Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. This includes technical and acquisition-related studies to ensure F-15 lethality and survivability beyond 2040.

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 1.794M was expended for civilian pay expenses in this program element, and in FY 2025 1.095M is forecast for civilian pay expenses in this program element.

The FY 2026 request was reduced by 0.555 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."

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207134F I F-15E Squadrons				
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		50.965	178.603	202.168	0.000	202.168
Current President's Budget		40.348	158.603	233.018	0.000	233.018
Total Adjustments		-10.617	-20.000	30.850	0.000	30.850
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-18.550	-20.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		9.400	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-1.467	0.000			
• Other Adjustments		0.000	0.000	30.850	0.000	30.850
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 676020: F-15 Modernization						
Congressional Add: Electrical Test Equipment						
Congressional Add Subtotals for Project: 676020						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY 2024 reduction of \$18.550M for GPS M-Code ahead of need Congressional mark, increase of \$9.400M for Electrical Testing Equipment Congressional add, and reduction of \$1.467 for SBIR.						
FY 2025 reduction of \$10.880M for OFP unjustified growth Congressional mark and reduction of \$9.912M for program carry over Congressional mark.						
FY 2026 increase of \$22.115M for Eagle Tether and inflation.						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons				Project (Number/Name) 676020 / F-15 Modernization			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676020: F-15 Modernization	0.000	40.348	158.603	233.018	0.000	233.018	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207134F, project 676020, Eagle Tether, is a new start.

A. Mission Description and Budget Item Justification

F-15 Modernization development efforts continue the weapon system's evolution in support of the National Defense Strategy (NDS), ensuring the fleet can meet urgent and future capability needs, as well as compliment 5th-generation aircraft by bringing substantial capacity for long-range fires, sensors, and electronic warfare (EW) capabilities. The programs below provide the F-15 fleet with electronic protection (EP) improvements, electronic attack (EA) improvements, advanced capabilities, threat and vulnerability mitigation, continued nuclear mission certification, and integration of new and upgraded weapons.

Operational Flight Program (OFP) funding provides for ongoing software and hardware upgrades needed to meet and defeat emerging threats; integrate new and changing weapons, offensive and defensive avionics capabilities, and sensor capabilities; and support nuclear certification and aircraft subsystems. Funds also provide for resolution of emerging safety of flight issues, technology insertion, training system updates, and compliance with Federal, Department of Defense, or Air Force mandates that are necessary to ensure continued aircrew safety and mission effectiveness. Funds may also help resolve diminishing manufacturing sources issues. In 2023, the OFP program transitioned to a Continuous Development and Integration (CD&I) approach to deliver annual software releases via agile development techniques. This approach has demonstrated the ability to combat the speed of adversary technology evolution and ensure the F-15 fleet maintains a competitive advantage. At any one time there will be up to three OFP upgrades in work: one in requirements definition, one in code writing and test, and one in flight test and release preparation.

Flight Test funding supports ongoing F-15 Modernization by providing baseline infrastructure and personnel support for developmental test (DT) and operational test (OT) operations. In FY 2026, the Flight Test budget request includes funds for upgrading test jets to meet DT & OT requirements.

Radar Enhancements (RE) will continue the upgrade for digital Active Electronic Scanned Array (AESA) radar capabilities to counter sophisticated electronic threats and provide other capability improvements. OFP updates are required to ensure radar EP and EA improvements, and advanced capabilities, are seamlessly integrated into the F-15 fleet.

Infrared Search and Track (IRST) system provides air to air detection, tracking, and ranging capabilities in a radar-contested environment.

Multifunctional Information Distribution System - Joint Tactical Radio System (MIDS-JTRS) integrates a new Link 16 system that complies with a National Security Agency (NSA) mandate on cryptographic modernization and a Federal Aviation Administration (FAA) mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2025.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization		
Data Transfer Module II (DTM II) is an upgraded replacement for the existing low-memory data transfer system. This system improves and supports mission planning capability and weapons employment, increases storage, replaces the aging mapping system, updates interfaces, provides data encryption, and delivers improved cybersecurity.					
GPS M-Code / Resilient-Embedded GPS Inertial Navigation System (R-EGI) will provide enhanced Position, Navigation, and Timing (PNT) capabilities and improved resistance to existing and emerging threats to GPS, such as jamming and spoofing.					
Mobile User Objective System (MUOS)/Second Generation Anti-jam Tactical UHF Radio for NATO (SATURN) will provide Satellite Communications (SATCOM) capable Air Force F-15 aircraft the ability to communicate on the MUOS constellation in support of a NORTHCOM Airspace Control Alert (ACA) requirement. SATURN will replace the Have Quick II and comply with the NSA lease key mandated dates.					
Eagle Tether will provide a satellite communications capability. The program leverages technology developed under AFRL Global Lightning, as well as terminal and aperture capabilities developed in Advanced Battle Management System (ABMS) PE 0604003F, to eliminate duplication of effort, optimize capability delivery in alignment with the C3BM DAF BATTLE NETWORK architecture, and enable Long Range Kill Chain (LRKC) capabilities. This effort is a FY 2026 New Start.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
Title: Operational Flight Program (OFP) Development Efforts			27.658	131.081	139.096
Description: The OFP program provides software and hardware updates required to integrate and operationally implement new capabilities on F-15C, F-15D, F-15E, and F-15EX aircraft.					
FY 2025 Plans: Funding restored OFP development capabilities. FY 2025 continues annual OFP updates for the F-15 fleet; addresses any identified or emergent problems with OFP Release 24; updates F-15 common OFPs to include the latest capabilities for Infrared Search and Track (IRST), various weapons, Eagle Passive Active Warning and Survivability (EPAWSS), the radar and sensors; and initiates planned updates to F-15 training systems to bring concurrent with the F-15 fleet by 4Q FY2027.					
FY 2026 Plans: Funding continues annual OFP development capabilities for the F-15 fleet; addresses any identified or emergent problems with OFP Release 25; updates F-15 common OFPs to include the latest capabilities for IRST, various weapons, EPAWSS, the radar and sensors; and initiates planned updates to F-15 training systems to bring concurrent with the F-15 fleet by 4Q FY 2027. FY 2026 funding also supports the development and growth of a public-private-partnership between Boeing and the Government to develop OFP software code for the F-15 Advanced Display Core Processor (ADCP) II.					
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase supports Long-Range Kill Chain weapons integration, improved datalink capacity and long-rang communications, and public-private-partnership for avionics software development.					
Title: Flight Test			0.216	19.996	39.694

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>		Project (Number/Name) 676020 / <i>F-15 Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: Flight Test funding supports test capability modernization and continuance; provides baseline infrastructure and personnel for F-15 Developmental Test (DT) and Operational Test (OT) operations; and procures long-lead test support assets, unique lab and test aircraft instrumentation.</p> <p>FY 2025 Plans: Funding restored Flight Test support and included funding to upgrade test jets to meet DT & OT requirements. FY 2025 Flight Test funding provides: contractor support cadre at Eglin and Nellis AFBs for DT/OT support, avionics integration, lab operations & maintenance, Combined Test Force operations & maintenance, and long-lead test-unique equipment (i.e., program specific aircraft instrumentation, weapons instrumentation kits, data reduction/handling equipment); replacement of obsolete test aircraft instrumentation, Richter Lab modernization and sustainment, and resources needed to maintain a robust integration and test capability for the F-15 test enterprise (which includes supporting the weapons roadmap); support to 896 TSS, maintaining manpower for F-15 test fleet modification activity; and flying hour program and maintenance support for F-15 loaner aircraft.</p> <p>FY 2026 Plans: Continue development for test fleet upgrades to meet DT & OT requirements. FY 2026 Flight Test funding provides: contractor support cadre at Eglin and Nellis AFBs for DT/OT support, avionics integration, lab operations & maintenance, Combined Test Force operations & maintenance, and long-lead test-unique equipment (i.e., program specific aircraft instrumentation, weapons instrumentation kits, data reduction/handling equipment); replacement of obsolete test aircraft instrumentation, lab modernization and sustainment, and resources needed to maintain a robust integration and test capability for the F-15 test enterprise. Efforts include supporting the weapons and Long-Range Kill Chain roadmaps, and support for maintaining manpower for F-15 test fleet modification activity.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to upgrades needed on test jet fleet to meet DT & OT requirements.</p>					
<p>Title: F-15 Radar Enhancements (RE)</p> <p>Description: Improves F-15 radar capabilities. This includes technical and acquisition related studies as well as future capability enhancements.</p> <p>FY 2025 Plans: Continue development of F-15 capability enhancements, weapons integration, and future capability development. Continues implementation of electronic protection (EP)/electronic attack (EA) into OFPs, in addition to Combat ID candidate, interoperability, and risk reduction activities for future OFP integration. Continues study efforts to ensure the F-15 radar maintains superiority over current threats.</p> <p>FY 2026 Plans:</p>			0.000	7.526	8.278

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>	Project (Number/Name) 676020 / <i>F-15 Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Continue development of F-15 capability enhancements, weapons integration, and future capability development. Continues implementation of electronic protection (EP)/electronic attack (EA) into OFPs, in addition to Combat ID candidate, interoperability, and risk reduction activities for future OFP integration. Continues study efforts to ensure the F-15 radar maintains superiority over current threats.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to development and enhancement of warfighting capabilities and evolution of critical program protection elements to maintain a competitive advantage against emergent and near-peer threats.</p>			
<p>Title: F-15E Data Transfer Module II</p> <p>Description: The Data Transfer Module II (DTM II) is an upgraded replacement to the current, low-memory data transfer system. It improves and supports mission planning capabilities and weapons employment, increases storage, replaces an aging mapping system, updates interfaces, provides data encryption, and delivers improved cybersecurity.</p> <p>FY 2025 Plans: N/A</p> <p>FY 2026 Plans: N/A</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: N/A</p>		0.000	0.000
<p>Title: GPS M-Code / R-EGI</p> <p>Description: GPS M-Code / Resilient-Embedded GPS Inertial Navigation System (R-EGI) will provide enhanced Position Navigation & Timing (PNT) capabilities and improved resistance to existing and emerging threats to GPS, such as jamming and spoofing. The Air Force's PNT program office manages R-EGI development, which will yield an M-Code enabled, Government-owned solution, leveraging Open System Architecture. Thus, R-EGI will provide a modular and adaptive PNT solution when integrated into the F-15E and F-15EX fleets. Funding requested in this exhibit specifically supports R-EGI integration on the F-15 platform.</p> <p>FY 2025 Plans: Continue software integration with R-EGI prototypes from the PNT office's design/development effort; supports testing and follow-on F-15 non-recurring engineering activities.</p> <p>FY 2026 Plans:</p>		3.419	23.780

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
Continue and expand software integration efforts with R-EGI prototypes in the system integration lab; maintain F-15 development baseline with R-EGI updates; expand testing and F-15-specific non-recurring engineering activities.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased commensurate with readiness for increased testing, software development, and follow-on F-15 non-recurring engineering activities.			
Title: Eagle Tether		0.000	0.000
Description: Eagle Tether is an F-15E and EX single constellation satellite communications solution. The program leverages terminal and aperture capabilities developed in Advanced Battle Management System (ABMS), while optimizing capabilities in alignment with the DAF Battle Network architecture to enable Long-Rang Kill Chain.			22.170
FY 2025 Plans: N/A			
FY 2026 Plans: Develop and integrate single-band SATCOM apertures and terminals with aircraft systems and modify aircraft software (operational flight profile) to enable integration and sharing of data in accordance with DAF Battle Network architecture in an open architecture implementation. Conduct test & evaluation activities (systems integration laboratory, fit checks, ground testing, developmental flight test and associated airworthiness certifications)			
FY 2025 to FY 2026 Increase/Decrease Statement: Eagle Tether is an FY26 New Start. Funding increased due to development and integration of F-15E and EX satellite communication solution.			
Accomplishments/Planned Programs Subtotals		31.293	158.603
		FY 2024	FY 2025
Congressional Add: Electrical Test Equipment		9.055	0.000
FY 2024 Accomplishments: Automatic Wire Test Set (AWTS) standardized our current Test Program Sets (TPS), proliferated incomplete set components to squadrons in need, and developed new set capability.			
FY 2025 Plans: N/A			
Congressional Adds Subtotals		9.055	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>	Project (Number/Name) 676020 / <i>F-15 Modernization</i>	

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

<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 01 F015EX: <i>F-15EX</i>	2,659.261	1,808.472	-	-	-	-	-	-	-	-	-
• RDTE 07 0207146F: <i>F-15EX</i>	101.996	56.228	78.345	-	78.345	-	-	-	-	-	-
• APAF 07 000075: <i>Other Production Charges - EX</i>	36.460	40.084	-	-	-	-	-	-	-	-	-
• APAF 05 F015EX: <i>F-15EX</i>	79.800	-	-	-	-	-	-	-	-	-	-
• APAF 07 000075 (4)...: <i>Other Production Charges - F-15E Squadrons</i>	-	12.876	17.965	-	17.965	-	-	-	-	-	-
• APAF 05 Line Item F01500: <i>F-15 Modification of In-Service Aircraft, PEs 0207130, 0207134, 0207445, 0809731</i>	28.580	39.760	120.044	-	120.044	-	-	-	-	-	-
• APAF 06 Line Item 000999: <i>Initial Spares/Repair Parts (BP16)</i>	6.316	2.861	19.395	-	19.395	-	-	-	-	-	-
• APAF 07 Line Item F0150P: <i>F-15 Post Production Support</i>	-	-	5.130	-	5.130	-	-	-	-	-	-

Remarks

The FY 2026 request for F-15EX includes mandatory (reconciliation) funding across various procurement budget activities, as noted in their respective exhibits. The mandatory funds will be used for: aircraft advanced procurement, aircraft procurement (airframe, engines, alternate mission equipment (AME), conformal fuel tanks (CFTs), pilot gear, systems engineering and program management, and initial spares), aircraft modifications, depot activation, and other supporting requirements. Further information for this reconciliation request is Provided in Section 20007 (Air Superiority) of the Reconciliation Exhibit.

D. Acquisition Strategy

Program is a continuation of effort which includes development for all F-15 models. Funds are executed in support of equipment improvement, study, analysis, and test. Acquisition and management strategies for each program are independently developed and use a variety of contract methods and types to accomplish program objectives.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Suite 8/9/CD&I Development and Test	SS/ Various	Boeing : St Louis, MO	0.000	24.373	Jan 2024	124.991	Jan 2025	133.180	Jan 2026	-		133.180	-	-	-
F-15 Radar Enhancement	SS/ Various	Boeing : St Louis, MO	0.000	-		6.404	Jan 2025	7.987	Jan 2026	-		7.987	-	-	-
GPS M-Code	SS/ Various	Boeing : St Louis, MO	0.000	2.919	Nov 2024	-		22.898	Oct 2025	-		22.898	-	-	-
F-15 Electrical Test Equipment	TBD	Not specified. : TBD	0.000	9.400	Aug 2024	-		-		-		-	-	-	-
F-15 Eagle Tether	TBD	Not specified. : TBD	0.000	-		-		21.389	Oct 2025	-		21.389	-	-	-
Subtotal			0.000	36.692		131.395		185.454		-		185.454	-	-	N/A

Remarks

The individual program reference to "various" contract methods addresses other government costs for trainers, test, hardware, special studies, telemetry kits, etc. that are required to meet each program's objectives. The execution vehicles between these DoD entities vary by effort.

Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Allot	Various : Various	0.000	1.794	Oct 2023	1.095	Oct 2024	1.412	Oct 2025	-		1.412	-	-	-
Subtotal			0.000	1.794		1.095		1.412		-		1.412	-	-	N/A

Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test Support	Various	Various : Various	0.000	-		13.446	Apr 2025	26.606	Apr 2026	-		26.606	-	-	-
Contractor Test Support	SS/CPFF	Boeing : St. Louis, MO	0.000	0.216	Apr 2024	5.000	May 2025	11.690	May 2026	-		11.690	-	-	-
Subtotal			0.000	0.216		18.446		38.296		-		38.296	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons				Project (Number/Name) 676020 / F-15 Modernization				

Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 The individual program reference to "various" contract methods addresses other government costs for trainers, test, hardware, special studies, telemetry kits, etc. that are required to meet each program's objectives. The execution vehicles between these DoD entities vary by effort.															

Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Mgt Support Costs	Various	Various : Various	0.000	1.646	Dec 2024	7.667	Dec 2025	7.856	Dec 2025	-		7.856	-	-	-
Subtotal			0.000	1.646		7.667		7.856		-		7.856	-	-	N/A
Remarks The individual program reference to "various" contract methods addresses other government costs for trainers, test, hardware, special studies, telemetry kits, etc. that are required to meet each program's objectives. The execution vehicles between these DoD entities vary by effort.															

	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	40.348	158.603	233.018	-	233.018	-	-	N/A
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207134F / F-15E Squadrons					676020 / F-15 Modernization			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
F-15																												
OFP Suite 9.2																												
OFP CD&I Release 24																												
OFP CD&I Release 25																												
OFP CD&I Release 26																												
OFP CD&I Release 27																												
OFP CD&I Release 28																												
Radar Enhancements (Field with OFP)																												
Data Transfer Module II: EMD																												
GPS M-Code																												
Eagle Tether Development and Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
F-15				
OFP Suite 9.2	1	2024	2	2024
OFP CD&I Release 24	1	2024	4	2024
OFP CD&I Release 25	1	2024	4	2025
OFP CD&I Release 26	4	2024	4	2026
OFP CD&I Release 27	4	2025	4	2027
OFP CD&I Release 28	4	2026	4	2028
Radar Enhancements (Field with OFP)	1	2024	4	2030
Data Transfer Module II: EMD	1	2024	1	2025
GPS M-Code	2	2024	4	2028
Eagle Tether Development and Integration	2	2026	2	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207136F I Manned Destructive Suppression							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	12.871	13.855	17.680	0.000	17.680	-	-	-	-	-	-
674595: F-16 HARM Targeting Sys	0.000	12.871	13.855	17.680	0.000	17.680	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The FY 2026 request was reduced by .186 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."

The Manned Destructive Suppression (MDS) program funds the development and sustainment of the Air Force's Suppression of Enemy Air Defenses (SEAD) and Destruction of Enemy Air Defenses (DEAD) capabilities. The F-16 High-speed Anti-Radiation Missile (HARM) Targeting System (HTS) is currently the only programmed reactive SEAD/DEAD capability and enables targeting the HARM missile in its most lethal 'range known' mode. The program provides F-16 Block 50/52 and Block 40/42 aircraft with the ability to employ the AN/ASQ-213 targeting Pod. With the introduction of Pre-Planned Product Improvement (P3I) HTS Revision 7 in 2007, the AN/ASQ-213 Pod now has a precision geo-location capability to target Precision Guided Munitions (PGMs) to destroy fixed and mobile enemy air defense elements. Additionally, by relocating the AN/ASQ-213 HTS R7 Pod on the aircraft, the F-16 can simultaneously carry the HTS R7 Pod and an Advanced Targeting Pod (ATP). HTS R7 fielding is complete and represents the Air Force's near-term solution for reactive time-critical targeting for DEAD until this mission can be transferred to the F-35. HTS R7 derived precision targeting data can be provided to all Joint Forces via Link-16. This effort continues upgrades for the HTS and applies technologies similar to those demonstrated in the Advanced Tactical Targeting Technologies (AT3) program and HTS R7 development.

Funds may be used to address emerging and short-notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues.

HTS 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 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 elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY2024 0.00M was expended for civilian pay expenses in this program element, and in FY2025 0.00M is forecasted for civilian pay expenses in this program.

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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207136F I Manned Destructive Suppression				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	16.543	16.182	17.925	0.000	17.925	
Current President's Budget	12.871	13.855	17.680	0.000	17.680	
Total Adjustments	-3.672	-2.327	-0.245	0.000	-0.245	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	-3.221	-2.327				
• 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	-0.451	0.000				
• Other Adjustments	0.000	0.000	-0.245	0.000	-0.245	
Change Summary Explanation						
FY 2024 congressional reduction for Cost Savings of -3.221M and SBIR of -\$0.451M.						
FY 2025 congressional reduction for Cost Savings of -2.327M.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: P3I R7 Software Upgrade (SWUP)				10.771	11.755	15.580
Description: HARM (High Anti-Radiation Missile) Targeting System (HTS) Software Upgrade (SWUP) risk reduction and software development Engineering and Manufacturing Development (EMD) efforts include software updates in support of F-16 Operational Flight Profile (OFP) releases. These releases improve the capability of the pod in an evolving threat environment.						
FY 2025 Plans:						
Continued software upgrade risk reduction, iterative software development, preparation for software upgrade, and flight testing. Mission support (i.e., program management for administrative and technical support) continued. Continued agile software upgrades.						
FY 2026 Plans:						
Continue software upgrade risk reduction, iterative software development, preparation for soft-ware upgrade, and flight testing. Mission support (i.e., program management for administrative and technical support) will continue. Continue agile software upgrades.						
FY 2025 to FY 2026 Increase/Decrease Statement:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207136F <i>I Manned Destructive Suppression</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Funding increase to address planned contract for software upgrades and risk reduction				
Title: Flight Test Description: Conducts test planning, requirements derivation, and post-test data analysis and reporting. Provides test organization support to include test aircraft operations, threat/test range control and associated support, air refueling, and post-mission support. Ground testing, such as anechoic chamber testing, will also be accomplished as necessary. FY 2025 Plans: Government flight test operations continued for SWUP 4 activities. This funding also included baselining requirements from actual test data during recent flight testing. FY 2026 Plans: Government flight test operations continued for SWUP 4 activities. This funding also included baselining requirements from actual test data during recent flight testing. FY 2025 to FY 2026 Increase/Decrease Statement: No increase/decrease		1.200	1.200	1.200
Title: Joint Mission Planning System (JMPS) Description: Joint Mission Planning System (JMPS) includes continued development and testing of candidate upgrades and incremental engineering releases in support of HTS SWUP fielding. FY 2025 Plans: Continued mission planning in support of SWUP 4 efforts and other future SWUP requirements. FY 2026 Plans: Continued mission planning in support of SWUP 4 efforts and other future SWUP requirements. FY 2025 to FY 2026 Increase/Decrease Statement: no increase/decrease		0.900	0.900	0.900
Accomplishments/Planned Programs Subtotals		12.871	13.855	17.680
D. Other Program Funding Summary (\$ in Millions) N/A Remarks				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207136F I Manned Destructive Suppression	
<p>E. Acquisition Strategy</p> <p>The HARM (High Anti-Radiation Missile) Targeting System (HTS) P3I R7 Software Update Program (SWUP) is underway to keep the HTS pod capable in a growing threat environment. The SWUP 3 Engineering & Manufacturing Development (EMD) and SWUP 4 Risk Reduction (RR) contract awarded in April 2019 as a Cost Plus Fixed Fee (CPFF) contract type and was a 36 month effort. The initial SWUP 4 EMD contract awarded in July 2021 for four months with three one year options. SWUP 3 included plans for two releases to the field: Builds A and B. SWUP 4 adopts a more agile approach with three potential releases to the field: Builds A, B, and C. SWUP 4 was fielded July 2024.</p> <p>Future SWUP RR portion will mature candidates for future software builds by addressing findings from the field, incorporating requested improvements from the warfighter, and implementing other software changes to keep the HTS pod updated and mission capable. A follow on mod to the contract was accomplished in November 2021 for one year. SWUP RR efforts began in FY24 and will continue.</p> <p>Software Upgrade Program (SWUP) has been defined as a contract PoP rather than a software re-lease. There are multiple software releases in a SWUP. The program has implemented agile soft-ware development and release to field software. SWUP 4 is associated with the current contract to include R7.87 and R7.88. R7.87 was fielded Jun 24 and R7.88 is in the risk reduction phase. The EMD phase for the candidates R7.88 will complete on the follow-on contract awarded Dec 24. The PoP for R7.88 will end Dec 26.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207136F / Manned Destructive Suppression				Project (Number/Name) 674595 / F-16 HARM Targeting Sys					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HTS R7 SWUP/P3I	SS/CPFF	Raytheon Systems Co. : Tucson, AZ	-	8.521	Nov 2023	9.505	Nov 2024	13.330	Nov 2025	-		13.330	-	-	-
JMPS	SS/CPIF	Multiple : Multiple	-	0.900	May 2024	0.900	May 2025	0.900	May 2026	-		0.900	-	-	-
Subtotal			-	9.421		10.405		14.230		-		14.230	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	PO	412 and 96 TW, NAWCWD : Edwards,Eglin, CLake	-	1.200	Nov 2023	1.200	Nov 2024	1.200	Nov 2025	-		1.200	-	-	-
Subtotal			-	1.200		1.200		1.200		-		1.200	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Multiple : Robins AFB	-	2.250	Mar 2024	2.250	Mar 2025	2.250	Mar 2026	-		2.250	-	-	-
Subtotal			-	2.250		2.250		2.250		-		2.250	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	12.871		13.855		17.680		-		17.680	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207136F / Manned Destructive Suppression		Project (Number/Name) 674595 / F-16 HARM Targeting Sys	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Manned Destructive Suppression																												
Continuous SWUP development																												
Future SWUP Risk Reduction																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207136F / Manned Destructive Suppression	Project (Number/Name) 674595 / F-16 HARM Targeting Sys

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Manned Destructive Suppression				
Continuous SWUP development	1	2024	4	2029
Future SWUP Risk Reduction	2	2025	4	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	640.109	758.754	852.332	0.000	852.332	-	-	-	-	-	-
674785: F-22	0.000	640.109	758.754	852.332	0.000	852.332	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207138F, project 674785, Hybrid SATCOM, is a new start.

A. Mission Description and Budget Item Justification

The F-22 Raptor is a multi-mission fighter aircraft that combines low observability, supercruise, maneuverability and integrated avionics providing air superiority to the Joint Force, access in highly contested environments, as well as homeland and cruise missile defense. To maintain operational relevance, the program continues planned, incremental modernization efforts that enhance both F-22 air superiority and strike capabilities. The F-22 modernization enterprise develops, tests, and fields hardware/software of the air vehicle, engine, Operational Flight Program (OFP), and training systems to improve F-22 weapons, communications, navigation, pilot-vehicle interface, and electronic warfare suite.

Funds may be used to resolve emerging safety of flight and diminishing manufacturing sources issues, accommodate technology insertion and fulfill Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness.

The FY 2026 cost of Middle Tier of Acquisition (MTA) effort F-22 is reflected in the budget request, including RDT&E and procurement of prototype units. The Department will certify Future Years Defense Program (FYDP) funding in a future budget submission.

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 FY2024, 5.967M was expended for civilian pay expenses in this program element, and in FY2025, 7.311M is forecasted for civilian pay expenses in this program element.

The FY 2026 request was reduced by 1.977 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	725.889	768.561	647.983	0.000	647.983	
Current President's Budget	640.109	758.754	852.332	0.000	852.332	
Total Adjustments	-85.780	-9.807	204.349	0.000	204.349	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	-9.905	-9.807				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	-54.026	0.000				
• SBIR/STTR Transfer	-21.849	0.000				
• Other Adjustments	0.000	0.000	204.349	0.000	204.349	
Change Summary Explanation						
FY24 decrease of \$9.905M reflects Congressional rescissions of \$12.225M from Sensors, \$5.500M from Cryptographic, and \$7.180M from Infrared Defensive System (IRDS). It includes a Congressional add of \$15.000M for Cyber Security.						
FY26 increase of \$204.349M reflects the continued investment in Engineering, Manufacturing, and Development (EMD) activities for the Helmet Mounted Display Cueing System (HMDCS), Hybrid SATCOM, and Geyser+.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Infrastructure				212.597	239.835	271.602
Description: This major thrust is comprised of, but not limited to: Combined Test Force (CTF), Laboratory Test and Operations (LTO), F-22 Small Projects, Operational Software Development and Reliability and Maintainability Program (RAMP) projects.						
Labs and CTF are required continuous activities that plan and conduct development, integration, test, and verification of Operational Flight Programs (OFPs), modernization efforts, and other software and hardware in support of the F-22 Raptor. Labs provide test and certification support, operations, maintenance, staffing, technical refresh, and lab expansion System Integration Laboratories (SILs) and sub-system laboratories to include but not limited to: Agile Integration Lab (AIL) with the Flying Test Bed (FTB), Ogden Test Enterprise (OTE) Lab, Air Combat Simulation (ACS) Lab, and the Vehicle System Simulator (VSS) Lab. The F-22 CTF located at Edwards Air Force Base, CA, is the only developmental test capability for the entire F-22 enterprise. It conducts full-up weapons system and modernization testing to assess the effectiveness of the F-22 combined characteristics of stealth, speed, maneuverability, and integrated avionics upon mission accomplishment. The CTF uses operationally significant ground and flight test scenarios to identify system performance deficiencies early before they are more difficult and costly to						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>resolve. Engines on CTF aircraft are supported under Infrastructure as well. F-22 Infrastructure efforts include the systematic refresh of the F-22 developmental test enterprise.</p> <p>Funding may also be used to resolve Diminishing Manufacturing Sources and Material Shortages (DMSMS) and/or obsolescence issues. DMSMS activities may include, but are not limited to, bridge buys, life of type buys, buys to protect production schedule, and minor engineering efforts.</p> <p>F-22 Small Projects provides technology studies, demonstrations, and integration of capabilities to include, but not limited to, Low Observable (LO) signature management, threat modeling support, Developmental Test (DT) weapon assets, weapons, Pilot Training (PT), Pilot Vehicle Interface (PVI), countermeasures, helmet, future crypto upgrades, and Open System Architecture (OSA) / Open Systems Enclave (OSE) activities. Additionally, Small Projects include program requirements associated with cyber security, flight test engine refurbishment, support equipment development, Government Furnished Equipment (GFE), Engine Enhancements (or similar), and Electronic Warfare (EW) system enhancements to counter evolving threats.</p> <p>Operational Software Development utilizes commercially available agile and lean best practices to transform and accelerate the F-22 OFP upgrade process. This includes, but is not limited to, the expansion of a cloud-based software development environment and partnering with commercial companies to adopt industry product development best practices.</p> <p>The Reliability, Availability, and Maintainability Program (RAMP) provides solutions to improve reliability, availability, and maintainability (RAM) for the F-22 fleet. The associated RAMP implementation efforts (O&S funded) develop candidate initiatives, which are down-selected by Air Combat Command, based on development maturity and impact on the F-22 life cycle costs.</p> <p>RDT&E funding within Infrastructure may be used to improve Reliability, Availability, Maintainability (RAM) on F-22 test aircraft as part of the overarching F-22 RAMP effort.</p> <p>The F-22 In-a-Box (IAB) is a software instance of F-22 Pilot Vehicle Interface (PVI), and Operational Flight Program (OFP) designed to operate within the Joint Simulation Environment (JSE),</p> <p>Program mission support costs are included in this major thrust.</p> <p>FY 2025 Plans: Provide support to the SILs for faster testing and assessment of F-22 enhancements. Continue to update critical systems required to support new aircraft configurations and capabilities. Further Lab test planning using agile methods for all F-22 modernization and sustainment programs to include: Mode 5 Identify Friend or Foe Challenge (IFFC), Link 16, OFP releases, Sensor Systems,</p>				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
and Advanced Technology Development (ATD). Continue to update critical systems to include technology refresh and laboratory optimization improvements.				
Small projects continue transformational F-22 projects through planning studies and demonstrations for DT weapon assets, threat modeling support, test support, DT aircraft modifications, cyber security, End Cryptographic Unit (ECU) Upgrade, engine enhancements, instrumentation and crowd source flight data systems development, DMS development, Technology Enabler-Raptor Environment Cloud Compute Services (TE-RECCS) integration, cockpit tablet, Open System Architecture (OSA) / Open Systems Enclave (OSE) / Open Mission System (OMS) integration, and other advanced capability projects to improve the effectiveness of the F-22.				
FY 2026 Plans: Provide support to the SILs for faster testing and assessment of F-22 enhancements. Continue to update critical systems required to support new aircraft configurations and capabilities. Further continue Lab test planning using agile methods for all F-22 modernization and sustainment programs to include: Mode 5 IFFC, Link 16, OFP releases, Sensor Systems and ATD. Continue to update critical systems to include technology refresh and laboratory optimization improvements.				
Small projects continue transformational projects through technology planning studies and demonstrations for DT weapon assets, threat modeling support, test support, DT aircraft modifications, cyber security, engine enhancements, instrumentation and crowd sourced flight data system, DMS development, TE-RECCS integration, Cockpit tablet / OSA integration / OSE / OMS, and other advanced capability projects to improve the effectiveness of the F-22. Provide development and integration activities to produce a F-22 In-a-Box product that can meet both test and training requirements in a high fidelity, life-like environment.				
FY 2025 to FY 2026 Increase/Decrease Statement: Increase from FY25 to FY26 supports design and delivery of multiple sets of special test equipment required for capability upgrades and OFP air worthiness certification. In addition, it supports the VSS rebuild, test aircraft modifications, and increased capacity and throughput for labs and test operations, improving quality and accelerating capability delivery.				
Title: Advanced Technology Development (ATD)		50.998	38.080	22.200
Description: Technology maturation, risk reduction, studies, demonstrations and prototypes of classified F-22 development efforts. The F-22 Advanced Technology Development (ATD) program is conducted using a rapid acquisition construct allowing the F-22 Raptor enterprise to develop, test, and field software/hardware from various programs (product lines) leveraging the scheduled release cadence for capabilities as they mature.				
FY 2025 Plans:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Continue technology maturation, development, and risk reduction projects in support of various F-22 development efforts. Examples include, but are not limited to, continued development of advanced radar Electronic Protection (EP) capabilities. Begin integration and lab testing with aircraft OFP to demonstrate EP maturity and for insertion consideration into a future aircraft software release. Investigate emerging high-bandwidth satellite communications capabilities. Project Geyser+ - continued flight demonstrations to support technology maturation and continued hardware design analysis to inform production configuration and integration requirements for EMD. FY 2026 Plans: Continue technology maturation, development and risk reduction projects in support of various F-22 development efforts. Examples include, but are not limited to, continued development of advanced radar Electronic Protection (EP) and high-bandwidth satellite communications capabilities. Begin integration and lab testing with aircraft OFP to demonstrate EP maturity for insertion consideration into a future aircraft software release. Project Geyser+ - continued flight demonstrations to support technology maturation and continued hardware design analysis to inform production configuration and integration requirements for EMD. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$15.880M from FY25 to FY26 reflects the completion of development and integration activities started in FY24 and FY25 and transition of those activities into major thrusts.				
Title: Sensor Systems Description: Sensor Systems improves sensor capabilities to maintain air superiority and preserve first look, first shot, and first kill capability. This includes developing and maturing advanced Infrared Search & Track (IRST) sensor capabilities. FY 2025 Plans: Continue Sensor Enhancements software and hardware integration with the sensor test assets. Continue technology maturation and manufacturing readiness through completion of all subsystem hardware qualification testing. Complete Group A kit installations on DT/OT aircraft. FY 2026 Plans: Continue Sensor Enhancements software and hardware integration with the sensor test assets. Receive Developmental Test/Operational Test (DT/OT) asset, execute integration flight tests on Contractor Owned, Contractor Operated flying test bed, and continue lab, system, and airframe integration. Additional DT sensor systems will continue integration efforts. The execution of DT/OT flight testing will begin in 1QFY26 on the flying test bed and in 3QFY26 on the F-22. Continue technology maturation and complete the manufacturing readiness assessment. FY 2025 to FY 2026 Increase/Decrease Statement:		197.207	141.564	147.380

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Increase of \$5.816M from FY25 to FY26 is due to increased hardware and software integration activities leading to DT flight tests in FY26.				
Title: Controlled Reception Pattern Antenna (CRPA) Description: IAW CDGM 09-22-03 for Resilient Position, Navigation, and Timing (PNT), the Controlled Reception Pattern Antenna (CRPA) product line will replace the F-22's legacy Fixed Reception Pattern Array (FRPA) antenna. CRPA provides advanced antenna technologies which will dramatically reduce an adversary's ability to jam or otherwise interfere with GPS signals. FY 2025 Plans: Six CRPA software capabilities will finish DT/OT, and the remaining two software capabilities should complete integration in the F-22 Labs. Six CRPA DT/OT mods to be completed. Hardware corrective action effort being worked to mitigate service life issues with a projected completion date of May 2026. Software fixes being worked to address software issues identified during DT with a projected completion date of December 2025. FY 2026 Plans: CRPA hardware will achieve Fleet Release. All CRPA software capabilities will finish DT/OT and will be ready for Fleet Release. Three CRPA DT/OT mods to be completed. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$14.439M from FY25 to FY26 reflects reduced hardware development costs due to program maturation.		30.335	18.539	4.100
Title: Embedded GPS/Inertial Navigation System (INS) Modernization (EGI-M) Description: In compliance with M-Code Mandate Public Law 111-383, EGI-M will provide an M-Code compliant, anti-spoofing PNT solution to prevent exploitation of the weapon system by adversaries, enable more accurate tracking of GPS satellites, and support a more secure and flexible cryptography architecture. This effort covers the M-Code Weapons product line and EGI-M integration, test, software, and hardware necessary to ensure the F-22's ability to employ M-Code configured weapons and field the EGI-M. The AF Weapons Program Office is scheduled to field M-Code- enabled weapons prior to the availability of an M-Code GPS solution for the F-22. FY 2025 Plans: F-22 will continue system design efforts to support integration software development and EGI-M hardware integration. FY 2026 Plans:		4.336	2.900	6.310

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
F-22 will continue system design efforts to support integration software development and EGI-M hardware integration.				
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$3.41M from FY25 to FY26 reflects increase in hardware and software development.				
Title: Link 16 (L16) and Open System Architecture (OSA) Increment II Improvements Description: Develop, enhance, and field L16, OSA, and Multifunction Information Distribution System Joint Tactical Radio System (MIDS JTRS) hardware/software/firmware capabilities to enable tactical data sharing between 5th generation and 4th generation aircraft. The OSA implementation provides a pathway to a more competitive and open F-22 modernization that will provide infrastructure enhancements to enable future combat capabilities. FY 2025 Plans: Complete F-22 test asset firmware upgrades to F-22 specific hardware to enable L16 dual voice receive and transmit capability. Complete development for J12.6 technical debt, Classified Capability 2, and L16 dual voice receive and transmit capability. Initiate development, integration, and test of Classified Capability 1. Incorporate enhancements of OSA interoperability with different Computer Software Configuration Items (CSCI) and improve system fault reporting. Develop and integrate lab test assets to continue test and integration support for MIDS related activities. Continue existing defect corrections in support of MIDS JTRS. Funds may be used to support Collaborative Combat Aircraft (CCA) integration efforts. FY 2026 Plans: Continue development, integration, and test for Classified Capability 1, Initiate development and integration of an OSA infrastructure enhancement to provide flexibility in design of future hardware and software. Continue existing defect corrections in support of MIDS JTRS. Funds may be used to support CCA integration efforts. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$24.886M from FY25 to FY26 is attributable to the reduced software development costs due to program maturation.		40.009	82.316	57.430
Title: Mode 5 IFF Challenge (IFFC) Description: Mode 5 IFFC is a Joint Requirements Oversight Council-mandated Blue Force identification capability that improves Raptor survivability, reduces fratricide risk DoD-wide, and The Mode 5 IFFC capability incorporates new and updated hardware and software to add a new waveform, new cryptography, and additional data. FY 2025 Plans: Finalize software development and lab testing of Mode 5 Level 1 and Selective interrogation Features (SIF) capabilities. Continue software development and lab testing of Mode 5 classified enablers and classified capabilities. Continue integration and validation activities of Mode 5 Challenge circuit cards and crypto card hardware. Continue hardware modification and integration activities		71.706	46.849	49.430

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
on test aircraft. Begin flight testing risk reduction initiatives in conjunction with Raptor OFP flight testing plans. Obtain AIMS platform certification for initial Mode 5 software. Continue spectrum certification activities to obtain a Stage 3 (developmental) Radio Frequency Authorization (RFA) for Mode 5 classified capabilities. Continue spectrum certification activities to obtain a Stage 4 (operational) RFA for Mode 5 combat Air Forces operations.				
FY 2026 Plans: Complete software development, integration, and lab testing of select Mode 5 classified enabler capabilities. Complete software development, integration, and lab testing of initial Mode 5 classified capabilities into the Raptor OFP. Complete integration and validation activities of Mode 5 IFFC circuit cards and crypto card hardware. Complete hardware modification and integration activities on test aircraft. Continue Mode 5 IFFC flight testing activities in conjunction with Raptor OFP flight testing. Continue spectrum certification activities to obtain a Stage 4 (operational) RFA for Mode 5 IFF operations on Combat Air Forces (CAF) aircraft. Continue OFP and integration defect resolution activities resulting from test findings.				
FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$2.581M from FY25 to FY26 is attributable to the planned completion of major OFP capability development, integration, and testing as well as increased flight test activities.				
Title: Low Drag Tanks and Pylons (LDTP)		4.953	76.560	50.540
Description: The F-22 Low Drag Tanks and Pylons (LDTP) are advanced technological designs providing increased persistence and range while maintaining lethality and survivability. The low drag tanks are intended to minimally increase drag for external tank carriage, facilitate supersonic flight with external tanks and extend the range of the F-22. The pylons are equipped with smart rack pneumatic technology to accurately control ejection performance and minimize drag without stores.				
LDTP risk reduction activities were captured under the ATD major thrust. Documentation of the development and integration components as part of the EMD program is captured under the LDTP major thrust.				
FY 2025 Plans: Continue with the EMD Program (Hardware). Continue Flight Test for LDTP up to Threshold envelope. Verification and Validation of safety of flight certification testing of Low Drag Pylon design change enabling Low Drag Tank jettison flight testing. The software requirements to support Operational Flight Program (OFP) integration will be implemented in FY25. Transition to initial production to support delivery of Lot 1 Assets. DT/OT efforts to continue.				
FY 2026 Plans:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Continued Flight Test for LDTP to Threshold envelope. Verification and Validation of Weapon Separation and Jettison testing. Stress analysis testing completion and documentation. Support of software Release Testing. DT/OT efforts to continue to support certification of ground and flight test. FY 2025 to FY 2026 Increase/Decrease Statement: Decrease of \$26.020M from FY25 to FY26 reflects the ramp down of software, hardware integration, and continued progress on qualification testing to support the LDTP program, as well support EMD Tank and Pylon deliveries in Q2FY26.				
Title: Viability Description: Viability includes the Infrared Defensive System (IRDS), Geyser+, high-bandwidth satellite communications capabilities, and other programs to address future threats. IRDS is the Program of Record (PoR) for the F-22's Missile Launch Detector (MLD) modernization effort that is focused on detection of long-range Air to Air Missile (AAM) / Surface to Air Missile (SAM) threats and includes replacing legacy MLDs and Open System Architecture (OSA) SW Integration. Geyser+ is a critical capability to address future threats. High-bandwidth satellite communications capabilities increase pilot situational awareness and effectiveness in coordinated operations and information sharing. Viability reflects the continuation of work that began as risk reduction and technology maturation activities in the ATD major thrust. Documentation of the development and integration components as part of the EMD program will be captured under the Viability major thrust. FY 2025 Plans: Increase IRDS group A and group B test asset purchases for developmental and operational test jets. Increasing engineering and design activities. Continuation of software integration development per the systems requirement document (SRD). Continue technology maturation of high-bandwidth satellite communications for F-22 application. FY 2026 Plans: Continue IRDS group A and group B test asset development and operations and continue engineering and design activities. Continuation of software integration development. Continue risk reduction efforts for Geyser+ that were previously in ATD and the ramp up to EMD program activities. Geyser+'s EMD objectives during this period include qualification of supplier hardware, group A and B design completion and long-lead procurement of test hardware kits to support test fleet integration, and software design and testing to support increment 1 integration. FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$34.809M from FY25 to FY26 reflects increased hardware and software development for IRDS and Geyser+.		25.336	87.491	122.300
Title: Cryptographic Modernization		2.632	24.620	35.770

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<p>Description: The Cryptographic Modernization program will update F-22 radios with revised interoperability and cryptographic security requirements as mandated by the Second Generation Anti-Jam Tactical UHF Radio for NATO (SATURN), U.S. Procurement Specification SS103118. This major thrust also covers F-22 program activities required to update Tactical Secure Voice Cryptographic Interoperability Specification (TSVCIS) 2.1 to version 3.1.1, a key component of Cryptographic Modernization Planning as directed by CJCSI-6510.02D and IAW with guidance from the National Cryptographic Solution Management Office (NSCMO), dated August 2020.</p> <p>FY 2025 Plans: FY25 efforts include the ramp up in the EMD program activities for the SATURN and TSVCIS solutions. These efforts include the development of new KOV-28 cryptographic module to enable it to handle the increased processing power required with the implementation of the full NSA mandates. Work also includes the redesign of the current Communication Navigation and Identification rack to provide growth space for current and future communication and cryptographic upgrades. Software requirements and hardware changes will continue to be formalized and developed. Lab testing is planned to begin for the SATURN software and the program will continue working with NSA to ensure all certification requirements are met.</p> <p>FY 2026 Plans: FY 2026 efforts will include further development of hardware for the cryptographic modernization program. Work will include coordination with National Security Agency on cryptographic certification, the start of safety of flight testing, delivery of first test articles, and further software design and development.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$11.150M from FY25 to FY26 reflects the ramp up of efforts in FY26 over the initial work in FY25 in accordance with planned EMD activities increasing.</p>				
<p>Title: Hybrid SATCOM</p> <p>Description: Hybrid SATCOM will increase F-22 beyond line-of-sight capabilities through multi-vendor commercial and government owned satellite communications devices through a multi-phased approach.</p> <p>This program has been separated into its own major thrust from Viability beginning in FY26.</p> <p>FY 2025 Plans:</p>		-	0.000	65.331

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY25 efforts will include risk reduction activities to support group A and B hardware and software design, inform system requirements and begin system engineering tasks to start transition to an Engineering and Manufacturing Development (EMD) program in FY26. FY 2026 Plans: In FY26, continuing risk reduction efforts and initiating activities for the EMD phase of the Hybrid SATCOM program. Key objectives during this period include: Continued design of group A and B to support Hybrid SATCOM Phase 1 Software development to support Hybrid SATCOM Phase 1 FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$65.331M from FY25 to FY26 reflects the requirement for the ramp up of the program to begin in FY26.				
Title: Helmet Mounted Display Cueing System (HMDCS) Description: HMDCS enables the F-22 to take full advantage of the airframe's advanced weapons and increase battlefield situational awareness - increasing both lethality and survivability. HMDCS will shorten the kill chain and increase pilot situational awareness by allowing the pilot to quickly acquire and designate off-boresight targets. This program is separated into its own major thrust from Infrastructure beginning in FY26. FY 2025 Plans: FY25 efforts provide support to the HMDCS major thrust for technology studies, demonstrations, and integration of capabilities. Software and hardware requirements will continue to be formalized and developed FY 2026 Plans: FY26 efforts include the ramp up to Engineering and Manufacturing Development (EMD) program activities for the HMDCS. These efforts include the initiation of software development, enhancements, firmware upgrades, integration, test, and incremental upgrade activities with work on 2-way communication for system cueing. Work will also be done to initiate contracting actions and begin procurement of EMD kits. Begin ejection safety qualification effort at the Holloman AFB High Speed Test Track. FY 2025 to FY 2026 Increase/Decrease Statement: Increase of \$19.939M from FY25 to FY26 reflects the requirement for the ramp up of the program to begin in FY26.		-	0.000	19.939
Accomplishments/Planned Programs Subtotals		640.109	758.754	852.332

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons							
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line Item F02200: F-22A Squadrons, PE 0207138F*	309.679	818.537	977.526	-	977.526	-	-	-	-	-	-
Remarks											
NOTES:											
*F-22A Squadrons, APAF/PE 0207138F, includes funding for F-22A Squadrons BPs 11 (Aircraft Modifications), 13 (Post-Production Support), 16 (Initial Spares), and 19 (Depot Activation).											
E. Acquisition Strategy											
The F-22 utilized Sec 804 Middle Tier of Acquisition (MTA) to rapidly develop and field advanced capability. Development efforts were conducted under a Rapid Prototyping MTA, which concluded at the end of FY23 with the exception of the Sensor Enhancements program, which received a 10-month extension to enable the completion of a technical demonstration on the F-22. In 4QFY24, the Sensor Enhancements program transitioned to a Rapid Fielding MTA authority (8 Aug 24) and placed the initial Group B kit production order (29 Aug 24), which includes an advanced Infrared Search and Track (IRST) sensor. The following programs are now executing/transiting to Major Capability Acquisition (MCA) programs: Mode 5 Identify Friend or Foe - Challenge (IFFC), Link 16 and Open System Architecture Improvements, Controlled Reception Pattern Antenna (CRPA), Embedded Global Positioning System (GPS)/ Inertial Navigation System (INS) - Modernized (EGI-M), Low Drag Tanks and Pylons (LDTP), Infrared Defense System (IRDS), Geyser+, Hybrid SATCOM, and Helmet Mounted Display Cueing System (HMDCS). The programs will use the same Indefinite Delivery Indefinite Quantity (IDIQ) contract vehicles established under the MTA in order to maximize flexibility to start, stop, accelerate and decelerate projects as required and provide maximum flexibility to manage various modernization projects. In conjunction with the Raptor Enhancement Development & Integration II (REDI II) IDIQ ordering contract, the new Advanced Raptor Enhancement and Sustainment (ARES) IDIQ is a follow-on contract that began taking orders in FY22.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons				Project (Number/Name) 674785 / F-22					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various	Various : Various	0.000	206.627	Oct 2023	228.835	Oct 2024	252.502	Oct 2025	-		252.502	-	-	-
Advanced Technology Development	Various	Various : Various	0.000	50.998	Nov 2023	38.080	Dec 2024	22.200	Nov 2025	-		22.200	-	-	-
Sensor Systems	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	197.207	Dec 2023	141.564	Nov 2024	147.380	Nov 2025	-		147.380	-	-	-
CRPA	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	30.335	Oct 2023	18.539	Nov 2024	4.100	Nov 2025	-		4.100	-	-	-
EGI-M	SS/TBD	Lockheed Martin : Fort Worth, TX	0.000	4.336	Oct 2023	2.900	Nov 2024	11.310	Nov 2025	-		11.310	-	-	-
L 16 and OSA Improvements Increment II	SS/CPAF	Lockheed Martin : Fort Worth, TX	0.000	40.009	Oct 2023	82.316	Nov 2024	57.430	Nov 2025	-		57.430	-	-	-
Mode 5 IFFC	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	71.706	Nov 2023	46.849	Nov 2024	49.430	Nov 2025	-		49.430	-	-	-
Low Drag Tanks and Pylons	SS/CPIF	Lockheed Martin : Fort Worth, TX	0.000	4.953	Nov 2023	76.560	Nov 2024	50.540	Nov 2025	-		50.540	-	-	-
Viability	Various	Various : Various	0.000	25.336	Oct 2024	87.491	Nov 2024	122.300	Nov 2025	-		122.300	-	-	-
Cryptographic Modernization	SS/TBD	Lockheed Martin : Fort Worth, TX	0.000	2.632	Aug 2024	24.620	Jun 2025	35.770	Nov 2025	-		35.770	-	-	-
Hybrid SATCOM	Various	Various : Various	0.000	0.000		0.000		65.331	Jun 2026	-		65.331	-	-	-
Helmet Mounted Display Cueing System (HMDCS)	Various	Various : Various	0.000	0.000		0.000		19.939	Jun 2026	-		19.939	-	-	-
Subtotal			0.000	634.139		747.754		838.232		-		838.232	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.000	5.970	Oct 2023	11.000	Oct 2024	14.100	Oct 2025	-		14.100	-	-	-
Subtotal			0.000	5.970		11.000		14.100		-		14.100	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons					Project (Number/Name) 674785 / F-22				
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	0.000	640.109		758.754		852.332		-		852.332	-	-	N/A	

Remarks
Target Value of Contract is not discrete due to the number of programs within the Indefinite Delivery, Indefinite Quantity (IDIQ) construct.

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force	Date: June 2025
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>	Project (Number/Name) 674785 / <i>F-22</i>
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	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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>F-22 Squadrons</i>																												
Advanced Technology Development Demonstrations																												
Advanced Technology Development Studies & Analysis																												
CRPA - Development, Integration, and Test																												
CRPA - Software Development																												
CRPA - DT/OT																												
EGI-M - Development, Integration, and Test																												
Sensor Systems - Technical Demo/Group B Production Decision																												
Sensor Systems - DT/OT Flight Test																												
L16/OSA - J-Voice functionality																												
L16/OSA - Software development and Study Activities)																												
L16/OSA - Software development and Continued Study Activities)																												
Mode 5 IFFC - Software Design, Development, Integration, & Test																												
Mode 5 IFFC - Development, Integration, & Flight Test																												
Mode 5 IFFC - Mode 5 Challenge HW qualification complete																												
Low Drag Tanks and Pylons - Full Pylon Qualification																												
Low Drag Tanks and Pylons - RAA																												
Cryptographic Modernization - SATURN/TSVCIS Development Contract Award																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force														Date: June 2025														
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)										
3600 / 7										PE 0207138F / F-22A Squadrons								674785 / F-22										
	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 - SATURN/TSVCIS System Design & Development																												
Viability - Geyser+ Engineering, Manufacturing, and Development - Software Development																												
Viability - Geyser+ Engineering, Manufacturing and Development - Group A Engineering Design																												
Viability - Geyser+ Engineering, Manufacturing and Development - Group B Engineering Design																												
Viability - IRDS Group A/B Design																												
Viability - IRDS Phase 1 Integration																												
Viability - IRDS Phase 2 Integration																												
Viability - IRDS Flight Test at CTF																												
Viability - IRDS DT/OT Unit Procurement																												
Hybrid SATCOM - Manufacturing and Development- Group A Engineering Design Phase 1																												
Hybrid SATCOM - Software Development Phase 1																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>	Project (Number/Name) 674785 / <i>F-22</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>F-22 Squadrons</i>				
Advanced Technology Development Demonstrations	1	2024	4	2030
Advanced Technology Development Studies & Analysis	1	2024	4	2030
CRPA - Development, Integration, and Test	1	2024	2	2026
CRPA - Software Development	1	2024	4	2026
CRPA - DT/OT	3	2024	4	2026
EGI-M - Development, Integration, and Test	2	2024	4	2030
Sensor Systems - Technical Demo/Group B Production Decision	3	2024	4	2024
Sensor Systems - DT/OT Flight Test	1	2026	4	2027
L16/OSA - J-Voice functionality	1	2024	2	2025
L16/OSA - Software development and Study Activities)	2	2024	4	2026
L16/OSA - Software development and Continued Study Activities)	1	2025	4	2027
Mode 5 IFFC - Software Design, Development, Integration, & Test	1	2024	4	2026
Mode 5 IFFC - Development, Integration, & Flight Test	3	2024	4	2028
Mode 5 IFFC - Mode 5 Challenge HW qualification complete	1	2024	4	2024
Low Drag Tanks and Pylons - Full Pylon Qualification	2	2025	3	2026
Low Drag Tanks and Pylons - RAA	3	2025	1	2028
Cryptographic Modernization - SATURN/TSVCIS Development Contract Award	3	2025	3	2026
Cryptographic Modernization - SATURN/TSVCIS System Design & Development	1	2025	2	2028
Viability - Geyser+ Engineering, Manufacturing, and Development - Software Development	3	2026	4	2030
Viability - Geyser+ Engineering, Manufacturing and Development - Group A Engineering Design	2	2026	4	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons		Project (Number/Name) 674785 / F-22	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Viability - Geyser+ Engineering, Manufacturing and Development - Group B Engineering Design		2	2026	3	2029
Viability - IRDS Group A/B Design		1	2025	3	2026
Viability - IRDS Phase 1 Integration		1	2025	1	2027
Viability - IRDS Phase 2 Integration		2	2026	4	2028
Viability - IRDS Flight Test at CTF		3	2026	3	2028
Viability - IRDS DT/OT Unit Procurement		4	2024	1	2026
Hybrid SATCOM - Manufacturing and Development- Group A Engineering Design Phase 1		2	2026	2	2028
Hybrid SATCOM - Software Development Phase 1		4	2026	1	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0207142F / <i>F-35 Squadrons</i>
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COST (\$ in Millions)	Prior Years ⁽⁺⁾	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	268.380	88.991	47.132	48.446	0.000	48.446	-	-	-	-	-	-
675346: <i>F-35</i>	34.519	67.843	25.521	26.595	0.000	26.595	-	-	-	-	-	-
676011: <i>JSF DUAL CAPABLE AIRCRAFT</i>	186.565	21.148	21.611	21.851	0.000	21.851	-	-	-	-	-	-

Program MDAP/MAIS Code: 198

⁽⁺⁾ The sum of all Prior Years is \$47.296 million less than the represented total due to several projects ending

A. Mission Description and Budget Item Justification

The F-35 Joint Strike Fighter (JSF) Program will develop and field an affordable, highly common family of next generation strike aircraft for the United States Air Force (USAF), United States Navy, United States Marine Corps and International Partners countries. There are three variants: the F-35A Conventional Takeoff and Landing (CTOL) variant; the F-35B Short Take Off and Vertical Landing (STOVL) variant; and the F-35C Carrier Variant (CV). Maximum commonality among the variants, consistent with National Disclosure Policy, will minimize total air system life cycle costs.

PE 0207142F funding supports USAF-unique on-going SEEK EAGLE, Quick Reaction Instrumentation Package (QRIP), and Dual Capable Aircraft (DCA) requirements. These continuing efforts are not new starts.

The Air Force SEEK EAGLE Office (AFSEO) delivers warfighting capability through aircraft/store compatibility testing and evaluation while providing accurate combat weapon delivery and mission planning software. Beginning in FY 2020, the USAF supported Flight Test Instrumentation (FTI) wiring and weapons integration tasks related to SEEK EAGLE requests. These tasks include, but are not limited to, envelope expansion, mixed loads testing, adding additional stores, and F-35A specific risk reduction efforts and studies.

The QRIP/CSFD program enables the F-35 fleet to rapidly transport and leverage post-flight data—collected from both test and operational environments—to enhance Mission Data Files (MDF) and the onboard Software Data Load (SDL). The program aims to increase data-ingest capable systems and networks that will be utilized to support the processing, storage, and transmission of all F-35 generated CSFD sources. The program will also look to increase the operational viability of CSFD, including the use of data science teams, artificial intelligence (AI), and machine learning (ML) algorithms.

The F-35 JSF Operational Requirements Document (ORD) calls for the F-35A to have the capabilities and provisions for DCA operations in the first post-System Development and Demonstration (SDD) block upgrade. DCA is a NATO and US priority which is a critical capability in our collective defense and credible deterrence. The USAF F-35A achieved operational certification on October 12, 2023, earlier than the need date of January 2024. DCA refers to the capability to carry and deliver conventional and non-conventional weapons. DCA operations for the F-35A is internal carriage of up to two B61-12s. Due to extensive certification requirements, the DCA capability planning and design, testing and certification will continue throughout Block 4. Funding in this PE will resource the following F-35A DCA activities:

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207142F I F-35 Squadrons				
development, analysis, test, integration, certification and risk-reduction activities necessary to field and maintain F-35A DCA capabilities throughout post-SDD block upgrades; assessment of DCA weapon integration and certification impacts on the F-35 aircraft; identification and mitigation of potential technical and cost risks; definition of integration and certification trade-space to field the DCA capability with the B61-12 weapon; follow-on risk reduction efforts to ensure future integration alignment with the earliest feasible post-SDD block upgrade; and full integration efforts pending Service decisions.						
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 FY 2024 0.0M was expended for civilian pay expenses in this program element, and in FY 2025 0.0M is forecasted for civilian pay expenses in this program element.						
The FY 2026 request was reduced by 0.5M 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		97.231	47.132	49.156	0.000	49.156
Current President's Budget		88.991	47.132	48.446	0.000	48.446
Total Adjustments		-8.240	0.000	-0.710	0.000	-0.710
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		-6.482	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		-1.758	0.000			
• Other Adjustments		0.000	0.000	-0.710	0.000	-0.710
Change Summary Explanation						
FY 2024 funding reduced by \$6.482M due to QRIP contract award delay and \$1.758M for Small Business Innovative Research (SBIR).						

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 675346 / F-35			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675346: F-35	34.519	67.843	25.521	26.595	0.000	26.595	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The AFSEO delivers warfighting capability through aircraft/store compatibility testing and evaluation and provides accurate combat weapon delivery and mission planning software. Beginning in FY 2020, the USAF supported FTI wiring and weapons integration tasks related to SEEK EAGLE requests. These tasks include, but are not limited to, envelope expansion, mixed loads testing, adding additional stores, and F-35A specific risk reduction efforts and studies.												
The QRIP / CSFD system is a government-owned, off-the-shelf solution from the 59 TES for F-35 high-capacity data recording needs. Designed for operational test and evaluation, the system serves multiple emerging needs for data collection. By capturing Crowd Sourced Flight Data (CSFD) from operational aircraft, QRIP reduces the need for deliberate regression flight testing and allows the test enterprise to focus on Block 4 and future capability development. Working with F-35 Joint Program Office Combat Data Systems, the 59 TES will increase data ingest capable systems that will be utilized to support the data processing, storage, and transmission of all F-35 generated CSFD sources. The 59 TES will continue studying means to increase the operational viability of CSFD, including the use of data science teams, artificial intelligence, and machine learning algorithms.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: Autonomic Logistics Information System (ALIS) User Information Data Exchange Service (UIDES)									1.063	0.000	0.000	
Description: Beginning in FY 2020, the USAF unique ALIS UIDES requirement was broken out separately from the remaining systems engineering. USAF F-35 UIDES provides for Air Force development of a F-35 ALIS - UIDES that supports IER data transfer capability from the F-35 ALIS into existing Air Force enterprise systems. Activities also include studies and analysis to support both current program/project planning and execution and future program/project planning.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: N/A												
Title: Air Force SEEK EAGLE Office and Low Observable Sustainability Over Time									5.079	7.180	8.001	
Description: Integrated Test activities in support of Block 4, to include Lockheed Martin and Pratt & Whitney support at all test sites. Non-recurring engineering required to plan for the service life extension of existing Developmental Test (DT) aircraft and modification necessary to bring DT aircraft fleet to a more production representative and sustainable configuration, and												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / <i>F-35 Squadrons</i>	Project (Number/Name) 675346 / <i>F-35</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>to develop flight test instrumentation and release test software to meet Block 4 requirements. Additional upgrades required to support development and evaluation of improvements driven by changes in the threat environment and as identified in the Electronic Warfare Initial Capability Document (ICD), the Fifth Generation Fighter Modernization ICD, and the Block 4 Capability Development Document (CDD).</p> <p>Beginning in FY 2020, the USAF has supported FTI wiring and weapons integration tasks related to AFSEO requests. These tasks include, but are not limited to, envelope expansion, mixed loads testing, adding additional stores and F-35A specific risk reduction efforts and studies.</p> <p>As an alternative to flight test, AFSEO will procure 1/6th scale models of the F-35A to be tested in wind tunnels at Arnold Engineering Development Complex (AEDC) to fulfill F-35A weapons integration objectives. Wind tunnel testing would increase AFSEO throughput three hundred percent.</p> <p>To ensure the F-35A fleet's Low Observable Sustainability Over Time (LOSOT), 12 F-35A aircraft must undergo radar cross section (RCS) testing annually. The only facility at NAS Patuxent River does not have the capacity to support LOSOT test requirements. The National Radar Test Facility (NRTF) at White Sands Missile Range (WMSR) has the capability, but must procure and install Multifunction Advanced Data Link (MADL) antennae to adapt the range for F-35A testing. These MADL antennae capture F-35A time, space, and position information to direct their radar.</p> <p>FY 2025 Plans: USAF only funding will continue supporting AFSEO requests by providing FTI wiring and supporting weapons integration tasks initiated in FY 2021, in addition to emergent AFSEO tasks. Procure 1/6th scale models of F-35A and conduct wind tunnel testing for weapons integration. Procure, install, and sustain MADL antennae at NRTF in support of LOSOT testing.</p> <p>FY 2026 Plans: USAF only funding will continue supporting AFSEO requests by providing FTI wiring and supporting weapons integration tasks initiated in FY 2021, in addition to emergent AFSEO tasks. Procure 1/6th scale models of F-35A and conduct wind tunnel testing for weapons integration. Procure, install, and sustain MADL antennae at NRTF in support of LOSOT testing. These are continued efforts in support of the F-35 program.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to increased MADL antennae acquisition efforts.</p>			
Title: Quick Reaction Instrumentation Package (QRIP) / Crowd Sourced Flight Data (CSFD)		19.445	18.341
Description: The QRIP / Crowd Sourced Flight Data (CSFD) system is a government-owned, off-the-shelf solution from the 59 TES for F-35 high-capacity data recording needs. Designed for operational test and evaluation, the system serves multiple			18.594

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 675346 / F-35	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
emerging needs for data collection. By capturing CSFD from operational aircraft, QRIP reduces the need for deliberate regression flight testing and allows the test enterprise to focus on Block 4 and future capability development.			
FY 2025 Plans: In FY 2025, the 59 TES will produce and install 25 QRIP data recording devices on F-35A aircraft and continue producing/ installing approximately 25 QRIP devices annually. Also, in FY 2025, data-ingest capable processing and storage systems will be developed, procured and deployed to support all F-35 CSFD requirements. These data-ingest capable systems will be utilized to support the data processing, storage, and transmission of all F-35 generated Crowd Source Flight Data (CSFD) sources including QRIP and Tactical Data Recorder (TDR). Additionally, FY 2025 will require continued CSFD support at Nellis AFB (NV), Hill AFB (UT), MCAS Yuma (AZ), Edwards AFB (CA), and Eielson AFB (AK).			
FY 2026 Plans: In FY 2026, the development, procurement, and deployment of data-ingest capable systems and networks will continue in support of all F-35 Crowd Source Flight Data (CSFD) requirements. These systems and networks will enable efficient processing, storage, and transmission of all F-35-generated CSFD sources. Additionally, the program will focus on enhancing the operational effectiveness of CSFD by leveraging data science teams and integrating advanced technologies such as artificial intelligence (AI) and machine learning (ML) algorithms.			
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to expansion of collection capabilities and modeling and simulation testing, to increase use of CSFD across F-35 fleet.			
Title: Joint Simulator Environment (JSE) / Virtual Test and Training Center (VTTC)		42.256	0.000
Description: The VTTC campus connects 5th Generation / 4th Generation fighter, C2ISR, and bomber simulators in a TS/SCI/ SAR virtual battlespace that provides opportunities for high end advanced tactics and training. In FY 2024, this funded F-35 FIAB, a digital version of the F-35 aircraft and sensors for JSE integration at the VTTC. This capitalized on investments made by Air Force and Navy in high fidelity sims for 5th Generation fighters and leveraged the architecture and development made for test purposes setting the stage to connect Air Force and Navy JSE based sims for joint training.			
FY 2025 Plans: N/A			
FY 2026 Plans: N/A			
FY 2025 to FY 2026 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 675346 / F-35			
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2024	FY 2025	FY 2026
N/A												
Accomplishments/Planned Programs Subtotals										67.843	25.521	26.595
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• RDTE 07 PE 0604840F: F-35A Continuous Capability Development and Delivery	1,236.710	1,134.207	1,192.097	-	1,192.097	-	-	-	-	-	-	
• RDTE 07 PE 0207142F 6011: Dual Capable Aircraft (DCA), BPAC 676011	21.148	21.611	21.917	-	21.917	-	-	-	-	-	-	
• RDTE 07 PE 0604840N 2936: F-35C Continuous Capability Development and Delivery (CV)	543.834	466.186	493.186	-	493.186	-	-	-	-	-	-	
• RDTE 07 PE 0604840M 3410: F-35B Continuous Capability Development and Delivery (STOVL)	544.625	480.759	517.621	-	517.621	-	-	-	-	-	-	
• RDTE 07 International: International Continuous Capability Development and Delivery	306.563	265.912	215.209	-	215.209	-	-	-	-	-	-	
Remarks												
D. Acquisition Strategy												
The F-35 Air Force Specific acquisition strategy employs both Cost and Fixed Price Incentive contracts for the Block 4 engineering and development efforts. In addition, a separate Basic Ordering Agreement or Indefinite Quantity/Indefinite Delivery contract is planned to provide a long-term approach to upgrading and maintaining laboratories and test aircraft and supporting technology maturation for future F-35 capabilities.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 675346 / F-35					
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
USAF SEEK EAGLE and LOSOT	Various	Various : Various	15.468	5.079	Mar 2024	7.180	Dec 2024	8.001	Dec 2025	-		8.001	-	-	-
USAF UIDES	MIPR	Various : Various	0.000	1.063	Oct 2023	-		-		-		-	-	-	-
USAF F-35A QRIP / CSFD	Various	Various : Various	19.051	19.445	Nov 2023	18.341	Nov 2024	18.594	Nov 2025	-		18.594	-	-	-
Prime LM FIAB Development (JSE)	C/CPIF	Lockheed Martin : Ft Worth, TX	0.000	19.515	Nov 2023	-		-		-		-	-	-	-
VTTC Integration	MIPR	Not specified. : TBD	0.000	5.667	Nov 2023	-		-		-		-	-	-	-
VTTC HSI Components	Various	Not specified. : TBD	0.000	17.074	Nov 2023	-		-		-		-	-	-	-
Subtotal			34.519	67.843		25.521		26.595		-		26.595	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			34.519	67.843		25.521		26.595		-		26.595	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																Date: June 2025			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0207142F / F-35 Squadrons								675346 / F-35			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
F-35 SEEK EAGLE and LOSOT																												
Ongoing support activities																												
F-35 UIDES																												
Ongoing support activities																												
F-35A QRIP / CSFD																												
Ongoing support activities																												
JSE/VTTC F35 FIAB																												
Ongoing support activities																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 675346 / F-35	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
F-35 SEEK EAGLE and LOSOT				
Ongoing support activities	1	2024	4	2030
F-35 UIDES				
Ongoing support activities	1	2024	4	2024
F-35A QRIP / CSFD				
Ongoing support activities	1	2024	4	2030
JSE/VTTC F35 FIAB				
Ongoing support activities	2	2024	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
676011: JSF DUAL CAPABLE AIRCRAFT	186.565	21.148	21.611	21.851	0.000	21.851	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The F-35 Joint Strike Fighter (JSF) Operational Requirements Document (ORD) calls for the F-35A variant to have the capabilities and provisions for Dual Capable Aircraft (DCA) operations in the first post System Development and Demonstration (SDD) block upgrade. DCA refers to the capability to carry and deliver conventional and non-conventional weapons. DCA operation for the F-35A is internal carriage of up to two (2) B61-12 weapons.

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

	FY 2024	FY 2025	FY 2026
Title: Dual Capable Aircraft (DCA) (F-35 JSF)	21.148	21.611	21.851
<p>Description: This effort provides for the assessment of Dual Capable Aircraft (DCA) weapon integration and certification impacts on the Joint Strike Fighter (JSF) aircraft. It identifies and mitigates potential technical and cost risks, as well as defines the integration and certification trade-space to field the DCA capability with the B61-12 weapon. This effort also supports follow-on risk reduction efforts that will ensure future integration alignment with the earliest feasible post-SDD block upgrade, and is expected to include full integration efforts pending Service decisions.</p> <p>Integrated Test activities in support of Block 4, to include Lockheed Martin and Pratt & Whitney support at all test sites. Non-recurring engineering required to plan for the service life extension of existing DT aircraft and modification necessary to bring DT aircraft fleet to a more production representative and sustainable configuration.</p> <p>FY 2025 Plans: Continued execution of the Phase 2 C2D2 contract: DCA Software Regression Testing, Flyable Test Assets Testing, DCA Propulsion Mission Support for Flight Test Operations, Mission System Flight Testing, and Aircraft Monitor and Control (AMAC) Testing.</p> <p>Updated the Nuclear Safety Analysis Report (NSAR), Technical Nuclear Safety Analysis (TNSA), Mechanical Interface Control Drawing (MICD), and Electrical Interface Control Drawing (EICD) documentation for the initial TR-3 nuclear certification.</p> <p>Delta Nuclear Certification activities continued in order to certify TR-2 F-35As (30P08 and 30P09 software), that contain additional DCA hardware and software, as well as Lot 15 F-35As with TR-3. Continued initial TR-3 nuclear certification hardware and software development and testing by the prime contractor, Lockheed Martin.</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / <i>F-35 Squadrons</i>	Project (Number/Name) 676011 / <i>JSF DUAL CAPABLE AIRCRAFT</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<p>In addition, received Military Flight Release (MFR) for TR-3. Initiated AMAC on TR-3 production aircraft as well as AMAC graduation event on production aircraft. Initiated interim operational plan data documents, and completed the final aircraft NSAR. Delta Nuclear Certification activities continued in order to certify Lot 16 F-35As, NSAR, TNSA, MICD, and EICD documentation for nuclear certification</p> <p><i>FY 2026 Plans:</i> Continue execution of the Phase 2 C2D2 contract: DCA Software Regression Testing, Flyable Test Assets Testing, DCA Propulsion Mission Support for Flight Test Operations, Mission System Flight Testing, and AMAC Testing. Continue updating the NSAR, TNSA, MICD, and EICD documentation for the initial TR-3 nuclear certification.</p> <p>Delta Nuclear Certification activities continue in order to certify TR-2 F-35As (30P08 and 30P09 software), that contain additional DCA hardware and software, as well as Lot 15 F-35As with TR-3. Continue initial TR-3 nuclear certification hardware and software development and testing by the prime contractor, Lockheed Martin.</p> <p>Continue AMAC on TR-3 production aircraft as well as AMAC graduation event on production aircraft. Delta Nuclear Certification activities continue in order to certify Lot 16 F-35As, NSAR, TNSA, MICD, and EICD documentation for nuclear certification</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increased due to inflation.</p>			
Accomplishments/Planned Programs Subtotals	21.148	21.611	21.851

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 07 PE 0207142F 5346: <i>JSF Follow on Modernization, BPAC 675346</i>	67.843	25.521	27.226	-	27.226	-	-	-	-	-	-
• RDTE 07 PE 0604840F: <i>F-35A Continuous Capability Development and Delivery</i>	1,236.710	1,134.207	1,192.097	-	1,192.097	-	-	-	-	-	-
• RDTE 07 PE 0604840N 2936: <i>F-35C Continuous Capability Development and Delivery (CV)</i>	543.834	466.186	493.186	-	493.186	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• RDTE 07 PE 0604840M 3410: F-35B Continuous Capability Development and Delivery (STOVL)	544.625	480.759	517.621	-	517.621	-	-	-	-	-	-
• RDTE 07 International: International Continuous Capability Development and Delivery	306.563	265.912	215.209	-	215.209	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
The DCA effort will leverage contracting vehicles for the overall Block 4 F-35 C2D2 effort. The C2D2 acquisition strategy is to employ both Cost and Fixed Price Incentive contracts for the Block 4 engineering and development efforts. A new modernization contract structure will be established for all post SDD Block 4 efforts. In addition, a separate Basic Ordering Agreement or Indefinite Quantity/Indefinite Delivery contract is planned to provide a long term approach to upgrading and maintaining laboratories and test aircraft and supporting technology maturation for future C2D2 capabilities.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force **Date:** June 2025

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT
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Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 4 Phase 2.3 - DCA to DT Complete	SS/CPFF	Lockheed Martin : Ft. Worth, TX	92.217	2.000	Mar 2024	2.419	Mar 2025	2.000	Mar 2026	-		2.000	-	-	-
DCA Prime PW Propulsion	SS/CPFF	Pratt Whitney - East : Hartford, CT	2.300	0.310	Mar 2024	0.310	Mar 2025	0.300	Mar 2026	-		0.300	-	-	-
DCA TE Prime LM DT AC Viability	C/CPFF	Lockheed Martin : Ft. Worth, TX	7.920	1.000	Dec 2023	1.000	Dec 2024	1.000	Dec 2025	-		1.000	-	-	-
DCA TE Prime LM Developmental Foundation Contract	C/CPFF	Lockheed Martin : Ft. Worth, TX	21.024	1.000	Dec 2023	1.000	Dec 2024	1.000	Feb 2026	-		1.000	-	-	-
Delta Certification	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	2.000	Feb 2024	2.000	Feb 2025	2.000	Feb 2026	-		2.000	-	-	-
Block 4 Contract	SS/CPAF	Not specified: TBD : TBD	0.000	1.500	Oct 2023	1.500	Oct 2025	0.000	Oct 2026	-		0.000	-	-	-
SEI&T	SS/CPAF	Not specified: TBD : TBD	0.000	0.000		0.000		1.500	Oct 2025	-		1.500	-	-	-
Subtotal			123.461	7.810		8.229		7.800		-		7.800	-	-	N/A

Remarks

SEI&T: Accounts for DCA share of Systems Engineering Integration and Test (SEI&T) contract.

Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FINS Project	MIPR	Various: TBD : TBD	0.000	0.000	Mar 2024	0.000	Nov 2024	1.000	Jan 2026	-		1.000	-	-	-
B61-12 AUR/Tail-kit Program Office	MIPR	AUR/TKA SPO : Kirtland/Eglin AFB, NM	15.880	2.500	Dec 2023	2.500	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
AFNWC/AFSEC Support	MIPR	Various : TBD	25.600	8.974	Nov 2023	9.018	Nov 2024	11.000	Jan 2026	-		11.000	-	-	-
Subtotal			41.480	11.474		11.518		12.000		-		12.000	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Edwards & OGC	Various	Testing : Edwards, CA	5.593	0.250	Feb 2024	0.250	Feb 2025	0.250	Feb 2026	-		0.250	-	-	-
Air Force SEEK EAGLE Office (Combat Weapons Delivery Software)	MIPR	Testing : Eglin, FL	1.000	0.100	Feb 2024	0.100	Feb 2025	0.034	Feb 2026	-		0.034	-	-	-
Subtotal			6.593	0.350		0.350		0.284		-		0.284	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/CPAF	Not specified TBD : TBD	14.631	1.000	Mar 2024	1.000	Dec 2024	1.567	Feb 2026	-		1.567	-	-	-
AFLCMC Civilian Pay	Allot	Not specified TBD : TBD	0.000	0.314	Feb 2024	0.314	Feb 2025	-		-		-	-	-	-
Travel	Various	Not specified TBD : TBD	0.400	0.200	Feb 2024	0.200	Feb 2025	0.200	Feb 2026	-		0.200	-	-	-
Subtotal			15.031	1.514		1.514		1.767		-		1.767	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			186.565	21.148		21.611		21.851		-		21.851	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force																Date: June 2025			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0207142F / F-35 Squadrons								676011 / JSF DUAL CAPABLE AIRCRAFT			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
676011: JSF Dual Capable Aircraft																												
Nuclear Certification - NNSA & B61-12 AUR/TKA SPO																												
Phase 1 (Nuclear Certification Tasks) Requirements Decomposition																												
Phase 2.1 (Nuclear Certification Tasks) DCA to Preliminary Design Review (PDR)																												
Phase 2.3 (Nuclear Certification Tasks) DCA to DT Complete																												
Delta Certification of Hardware/Software Upgrades/DT Prime Contractor Support/SEI&T																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
676011: JSF Dual Capable Aircraft				
Nuclear Certification - NNSA & B61-12 AUR/TKA SPO	1	2024	4	2030
Phase 1 (Nuclear Certification Tasks) Requirements Decomposition	1	2024	4	2026
Phase 2.1 (Nuclear Certification Tasks) DCA to Preliminary Design Review (PDR)	1	2024	4	2026
Phase 2.3 (Nuclear Certification Tasks) DCA to DT Complete	1	2024	4	2026
Delta Certification of Hardware/Software Upgrades/DT Prime Contractor Support/ SEI&T	1	2024	4	2030

Note
Schedule details reflect fiscal years

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207146F I F-15EX							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	101.996	56.228	78.345	0.000	78.345	-	-	-	-	-	-
670131: F-15EX	0.000	101.996	56.228	78.345	0.000	78.345	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207146F, project 670131, Hybrid SATCOM, is a new start.

A. Mission Description and Budget Item Justification

The F-15EX is a new multirole-capable fighter jet based on the 2-seat F-15QA (Qatar) configuration upgraded with advanced capabilities, including the Eagle Passive Active Warning Survivability System (EPAWSS) and the USAF F-15 Continuous Delivery & Integration (CD&I) Operational Flight Program (OFP) software. The F-15EX provides significant operational flexibility, enabling it to perform a wide range of missions sets with one or two aircrew. It will be used predominantly in defensive and offensive counter-air missions at both Air National Guard (ANG) and Air Combat Command (ACC) operational squadrons. F-15EX will perform the Homeland Defense mission and provide Combatant Commanders (CCDR) with strike packages capable of operating in Highly Contested Environments (HCE).

The FY 2026 RDT&E funding request continues incremental funding of development activities started in prior years and adds funding for Long-Range Kill Chain (LRKC) and Hybrid SATCOM (Beyond Line-of-Sight communications) development, a FY 2026 new start.

The FY 2026 request for the Research & Development appropriation for F-15EX includes \$78,345 thousand of discretionary and \$2,100 thousand of mandatory (reconciliation) for a total of \$80,445 thousand. The mandatory funds will support LRKC efforts. Further information for this reconciliation request is Provided in Section 20007 (Air Superiority) of the Reconciliation Exhibit.

The FY 2026 request was reduced by \$0.811 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 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, 9.536M was executed for civilian pay expenses in this program element. In FY 2025, 6.206M is forecasted for civilian pay expenses in this program element.

In FY 2025, the F-15EX program reduced civilian personnel to 38 positions which aligned to the Executive Order 14210, "Implementing the President's Department of Government Efficiency Workforce Optimization Initiative." The FY 2026 request was reduced by 2.132 million from FY 2024 as reflected in the Direct Cite Authority line in Exhibit R-3.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207146F I F-15EX				
FY 2020 Prior Years RDT&E funding of \$385.000 million was executed in PE 0207134F (F-15E Squadrons) and is not included in this exhibit. FY 2020 RDT&E funded two F-15EX test aircraft. In FY 2021, F-15EX RDT&E efforts were continued in PE 0207146F (F-15EX).						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		100.006	56.228	0.000	0.000	0.000
Current President's Budget		101.996	56.228	78.345	0.000	78.345
Total Adjustments		1.990	0.000	78.345	0.000	78.345
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		4.500	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-2.510	0.000			
• Other Adjustments		0.000	0.000	78.345	0.000	78.345
Change Summary Explanation						
FY 2024 Congressional add of \$4.500M for Microtube Heat Exchanger Development. FY2024 SBIR/STTR Transfer of -\$2.510M.						
FY 2026 Increase of \$78.345M for continuing F-15EX development and beginning development of Hybrid SATCOM and Long Range Kill Chain (LRKC) efforts.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Hybrid SATCOM				-	0.000	40.050
Description: Hybrid SATCOM is an F-15EX multi-band SATCOM solution that leverages terminal and aperture capabilities developed in Advanced Battle Management System (ABMS) PE 0604003F, eliminating duplication of effort and optimizing capability delivery in alignment with the DAF BATTLE NETWORK architecture.						
FY 2025 Plans: N/A						
FY 2026 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207146F / F-15EX		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Begin non-recurring engineering (NRE) and integration development efforts on multiple contracts to develop and integrate multi-band apertures and terminals with aircraft systems. Modify aircraft software (Operational Flight Program) to enable integration and data sharing in accordance with DAF Battle Network architecture leveraging other Long Range Kill Chain (LRKC) demos.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to development and integration of F-15EX satellite communication solution. This program is an FY26 New Start.				
Title: F-15EX Description: F-15EX RDT&E funding continues ongoing capability development and test efforts, as well as integration of long-range kill chain (LRKC) weapons. LRKC development efforts provide the F-15EX responsive, long-range strike capabilities against time-critical or heavily defended targets and Offensive Counter-Air/Defensive Counter-Air (OCA/DCA) mission sets.		101.996	56.228	38.295
FY 2025 Plans: Conduct Follow-On Operational Test & Evaluation (FOT&E) on new capabilities fielding on Lot 2 and Lot 3 F-15EX aircraft (including, but not limited to, MUOS/SATURN, DTM II, and Anti-jam GPS). Continue cybersecurity test events. Continue non-recurring engineering (NRE) and integration development efforts, including continued incremental funding for the Automatic Ground Collision Avoidance System (AGCAS) and Flight Control Computer (FCC) development. Continue software development integration efforts, including merging F-15EX-unique software into the common F-15 OFP. Continue upgrading existing F-15 training systems and systems integration labs for F-15EX-unique capabilities. Provide program support to manage and execute F-15EX efforts.				
FY 2026 Plans: Continue cybersecurity test events. Continue non-recurring engineering (NRE) and integration development efforts, including continued incremental funding for Flight Control Computer (FCC) development. Continue software development integration efforts, including merging F-15EX-unique software into the common F-15 OFP. Continue upgrading existing F-15 training systems and systems integration labs for F-15EX-unique capabilities. Provide program support to manage and execute F-15EX efforts.				
Long-Range Kill Chain (LRKC) development and integration efforts require updates to the Operational Flight Program.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreased due to fewer RDT&E requirements in FY 2026. Specifically, USAF funding for AGCAS and F-15EX-unique OFP development for the aircraft's baseline configuration concluded in FY 2025.				
Accomplishments/Planned Programs Subtotals		101.996	56.228	78.345

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0207146F I F-15EX					
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 01 F015EX: F-15EX	2,659.261	1,808.472	-	-	-	-	-	-	-	-	-
• APAF 05 F015EX: F-15EX	79.800	-	-	-	-	-	-	-	-	-	-
• APAF 07 000075: Other Production Charges	36.460	40.084	-	-	-	-	-	-	-	-	-
• APAF 07 F015EX: F-15EX	-	-	-	-	-	-	-	-	-	-	-
Remarks											
The FY 2026 request for F-15EX includes mandatory (reconciliation) funding across various procurement budget activities, as noted in their respective exhibits. The mandatory funds will be used for: aircraft advanced procurement, aircraft procurement (airframe, engines, alternate mission equipment (AME), conformal fuel tanks (CFTs), pilot gear, systems engineering and program management, and initial spares), aircraft modifications, depot activation, and other supporting requirements. Further information for this reconciliation request is Provided in Section 20007 (Air Superiority) of the Reconciliation Exhibit.											
E. Acquisition Strategy											
The Air Force initiated the F-15EX program under the Middle Tier of Acquisition (MTA) Pathway to rapidly field aircraft, meeting the urgent requirement to recapitalize the divesting of the F-15C and F-15D fleet. In September 2022, the F-15EX program transitioned to a Major Capability Acquisition (MCA) Pathway program to enable procurement of Lots 3 and beyond. As part of this transition, all assets and activities transitioned to the new Major Capability Acquisition program.											
The aircraft and engine acquisitions utilize delivery order contracts with annual procurement orders; the Air Force provides F110-GE-129 General Electric Engines, APG-82 Raytheon Radars, and many Avionics Line Replaceable Units (LRUs) to the prime contractor as government furnished equipment. RDT&E efforts are primarily contracted through those same delivery order contracts.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207146F / F-15EX				Project (Number/Name) 670131 / F-15EX					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
F-15EX Development	Various	Boeing : St Louis, MO	-	70.911	Dec 2023	29.764	Dec 2024	26.723	Dec 2025	-		26.723	-	-	-
Hybrid SATCOM	Various	TBD : TBD	-	-		-		40.050	Jan 2026	-		40.050	-	-	-
Subtotal			-	70.911		29.764		66.773		-		66.773	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	AFLCMC CIV PAY : WPAFB & Robins AFBs	-	9.538	Oct 2023	7.100	Oct 2024	5.306	Oct 2025	-		5.306	-	-	-
Subtotal			-	9.538		7.100		5.306		-		5.306	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Flight Test	Various	Various : Various	-	11.384	Jan 2024	19.317	Nov 2024	5.047	Nov 2025	-		5.047	-	-	-
Subtotal			-	11.384		19.317		5.047		-		5.047	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : Various	-	10.163	Jan 2024	0.047	Nov 2024	1.219	Nov 2025	-		1.219	-	-	-
Subtotal			-	10.163		0.047		1.219		-		1.219	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207146F / F-15EX					Project (Number/Name) 670131 / F-15EX			
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	101.996		56.228		78.345		-		78.345	-	-	N/A

Remarks

FINANCIAL PERFORMANCE: F-15 EX is evaluated against traditional Research and Development (R&D) program expenditure benchmarks. Unlike many traditional R&D programs, however, the F-15 EX Development contract is a Fixed Price contract with progress payments. Twenty percent of incurred costs are withheld until the end of the contract, when they are liquidated. Mandatory funding obligations and progress payment withholds will cause the program to lag traditional expenditure benchmarks, painting an inaccurate portrait of overall program health.

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
3600 / 7		PE 0207146F / F-15EX		670131 / F-15EX	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
F-15EX																												
F-15EX Non-Recurring Engineering (NRE) and Integration																												
F-15EX Full Rate Production Decision (FRPD)																												
F-15EX Required Assets Available (RAA) for Initial Operating Capability (IOC)																												
F-15EX Follow-on Operational Test & Evaluation (FOT&E)																												
F-15EX Long-Range Kill Chain (LRKC) Development and Integration																												
Hybrid SATCOM																												
F-15EX Hybrid SATCOM Development and Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207146F / F-15EX	Project (Number/Name) 670131 / F-15EX	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
F-15EX				
F-15EX Non-Recurring Engineering (NRE) and Integration	1	2024	4	2027
F-15EX Full Rate Production Decision (FRPD)	3	2024	3	2024
F-15EX Required Assets Available (RAA) for Initial Operating Capability (IOC)	3	2024	3	2024
F-15EX Follow-on Operational Test & Evaluation (FOT&E)	3	2025	2	2026
F-15EX Long-Range Kill Chain (LRKC) Development and Integration	2	2026	4	2027
Hybrid SATCOM				
F-15EX Hybrid SATCOM Development and Integration	2	2026	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	317.629	40.473	34.932	86.549	0.000	86.549	-	-	-	-	-	-
674132: AIM-9 Product Improvement	317.629	40.473	34.932	86.549	0.000	86.549	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 442												
A. Mission Description and Budget Item Justification												
<p>The AIM-9X Block II Sidewinder (AIM-9X Blk II) continues the evolution of the AIM-9 series of missiles. This missile program delivers a launch and leave, air combat munition that uses passive Infrared (IR) energy to acquire and track enemy air targets and complements the radar guided Advanced Medium Range Air-to-Air Missile (AMRAAM). The missile provides fighter aircrew with the first shot, first kill opportunities that are essential for survival during air combat maneuvering in the visual arena. The AIM-9X delivers these opportunities with unmatched offensive and defensive capabilities against inner boundary threats, even when IR countermeasures are employed.</p> <p>The AIM-9X also supports air superiority in the Beyond Visual Range air-to-air battle. Anti-tamper features have been incorporated to protect improvements inherent in this design. The AIM-9X Block II missile provides the Joint Force with fighter aircraft lethality and survivability necessary to counter threats identified in the National Defense Strategy.</p> <p>AIM-9X is a Post Milestone C, Acquisition Category IC joint service program led by the Department of the Navy. The Block II program has completed independent operational testing and was found to be operationally effective and suitable. The program achieved Initial Operational Capability in March 2015 and received Full Rate Production decision in August 2015.</p> <p>This budget line item continues technical refresh hardware and software and develops advanced capabilities to meet requirements of the Capability Production Document against evolving threat aircraft countermeasures and unmanned aircraft systems.</p> <p>This program element 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.</p> <p>The FY 2026 request was reduced by -\$.841 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.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles				
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, 0605831F, 0605832F, 0605833F, 0605898F, or 0606398F. In FY 2024, 100K were expended for civilian pay expenses in this program element, and in FY 2025, 100K are 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		41.958	34.932	16.146	0.000	16.146
Current President's Budget		40.473	34.932	86.549	0.000	86.549
Total Adjustments		-1.485	0.000	70.403	0.000	70.403
• 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		-1.485	0.000			
• Other Adjustments		0.000	0.000	70.403	0.000	70.403
Change Summary Explanation						
FY 2026 increase to address System Improvement Plan 4.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: AIM- 9X Product Development				32.673	27.132	37.939
Description: Continuation of Primary Hardware Development/Pre-Planned Product Improvement (technical refresh) efforts for the AIM-9X weapon system. This includes systems engineering and program management, as well as support required to ensure AIM-9X missile integration with US military aircraft platforms. This also includes efforts to redesign Block II missile components to mitigate obsolescence, ensure producibility and increase reliability. It will incorporate anti-tamper and cyber security technology improvements, and address hardware and software improvements to facilitate follow-on capability. In addition, the program will evaluate and begin risk reduction efforts that will address hardware and software improvements to facilitate follow-on capability and mitigate obsolescence.						
FY 2025 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207161F / <i>Tactical AIM Missiles</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Continue software development and test efforts on OFS v10.5X. Complete OFS v9.5X and OFS v10.4X software releases. Continue SIP IV Hardware development of an advanced sensor and upgraded electronics, and OFS v11.5X to accompany hardware updates. FY 2026 Plans: Complete software development and test efforts on OFS v10.5X. Complete SIP IV Hardware development of an advanced sensor and upgraded electronics. Continue OFS v11.5X to accompany hardware updates and begin OFS v11.6X development. Begin development of Active Optical Target Detector upgrade to address updated requirements and reduce cost. Funding to develop components that counter Unmanned Aircraft Systems. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increase aligns with plans to begin OFS v11.6X and Active Optical Target Detector development, continuation of OFS v11.5X development, and completion of OFS v10.5X software and SIP IV Hardware release. Funding increased due to advancing adversary threats and the need to counter Unmanned Aircraft Systems. Decrease 264K due to inflation and 259K due to Government Efficiency Initiative.				
Title: Counter Unmanned Aircraft Systems Development Description: Advance major component technology, including seeker, warhead, and fuzes to address pacing threats of adversary Unmanned Aircraft Systems while reducing risk across future AIM weapons. FY 2025 Plans: Not Applicable. FY 2026 Plans: Funding to develop seeker, warhead, and fuzes that counter Unmanned Aircraft Systems. FY 2025 to FY 2026 Increase/Decrease Statement: This is not a new start in FY2026. Funding in FY2025 for seeker development work was completed under PE 0602602F Conventional Munitions. Funding increased due to advancing adversary threats and the need to counter Unmanned Aircraft Systems. This capability is a Joint Urgent Operational Need.		-	0.000	44.600
Title: AIM-9X, Test and Evaluation Description: Test and Evaluation (T&E) and associated governmental support required to ensure the AIM-9X missile integration with US Air Force aircraft platforms. Developmental and Operational testing of OFS. FY 2025 Plans:		7.800	7.800	4.010

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles					
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026
Execute and plan joint testing efforts for DT, IT, and OT of OFS v10.4X, OFS v10.5X, and OFS v11.5X.											
FY 2026 Plans: Execute and plan joint testing efforts for DT, IT, and OT of OFS v10.5X, and OFS v11.5X.											
FY 2025 to FY 2026 Increase/Decrease Statement: Funding decreases aligns with plan to execute joint testing efforts on OFS v10.5X and OFS v 11.5X. Additionally, to meet Government Efficiency Initiative there is a reduction in funding for test support.											
Accomplishments/Planned Programs Subtotals									40.473	34.932	86.549
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 02 Line Item M09HAI: Sidewinder (AIM-9X)	95.643	101.802	100.359	-	100.359	-	-	-	-	-	-
• MPAF 04 Line Item 000999: Replen Spares, USAF	6.420	6.583	6.659	-	6.659	-	-	-	-	-	-
• MPAF 04 Line Item 000999 (2)....: Inital Spares, USAF	2.023	2.079	2.101	-	2.101	-	-	-	-	-	-
• RDTE 07 PE 0207161N: Tactical AIM Missile	35.502	31.359	34.767	-	34.767	-	-	-	-	-	-
• WPN Line Item 2209: Sidewinder	197.650	86.023	84.713	-	84.713	-	-	-	-	-	-
Remarks											
1) Navy RDT&E and WPN Line Items reflect FY 2026 data.											
2) ZBR was transferred in FY 2026-2029 to fund SIP IV development. SIP IV is both a hardware and software upgrade to the weapon system. If SIP IV is not fully funded, AIM-9X will be unable to counter advanced, emerging infrared countermeasures and keep pace with future platforms/threats.											
E. Acquisition Strategy											
Milestone C decision for LRIP was held June 24, 2011. The Block II program received USN Initial Operational Capability (IOC) in March 2015 and FRP Approval in August 2015. The Air Force achieved IOC in September 2016. In February 2019, the Acquisition Program Baseline (APB) for SAF was revised to increase total missile procurements and extend missile procurements through 2035. The program awarded FRP-8 in March 2022, and FRP-9 awarded in December 2022.											
Counter Unmanned Aircraft Systems Development: Development effort for cost effective Counter-Unmanned Aircraft System (c-UAS) solution by maturing air-to-air design to TRL 6/7 to counter growing UAS threat.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207161F / Tactical AIM Missiles				Project (Number/Name) 674132 / AIM-9 Product Improvement					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/OFP Upgrade/Hdw Development	SS/CPFF	RMD : Tucson, AZ	245.876	30.149	Oct 2023	24.608	Oct 2024	35.674	Oct 2025	-		35.674	-	-	325.836
Flight Termination System	MIPR	NAWC WD : China Lake, CA	4.934	-		-		-		-		-	-	-	10.578
Munitions Improvement Study (USG)	MIPR	NAWC WD : China Lake, CA	12.443	-		-		-		-		-	-	-	-
Systems Engineering (USG)	MIPR	NAWC WD : China Lake, CA	10.012	2.050	Feb 2024	2.050	Feb 2025	2.050	Feb 2026	-		2.050	-	-	-
Aircraft Integration	SS/CPFF	Boeing : St. Louis, MO	1.338	0.100	May 2024	0.100	May 2025	0.100	May 2026	-		0.100	-	-	2.624
Counter Unmanned Aircraft Systems Development	C/CPFF	BAE : Fort Walton Beach, FL	0.000	-		-		44.600	Jan 2026	-		44.600	-	-	-
Subtotal			274.603	32.299		26.758		82.424		-		82.424	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DT&E/OT&E	Various	Various : Eglin, FL	31.237	7.500	Jan 2024	7.500	Jan 2025	3.710	Jan 2026	-		3.710	-	-	-
IT/OT Support F-15	SS/CPAF	RMD : Tuscon, AZ	1.200	0.300	May 2024	0.300	May 2025	0.300	May 2026	-		0.300	-	-	3.370
Subtotal			32.437	7.800		7.800		4.010		-		4.010	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Eglin AFB : Eglin, FL	10.589	0.374	Jan 2024	0.374	Jan 2025	0.115	Jan 2026	-		0.115	-	-	7.285
Subtotal			10.589	0.374		0.374		0.115		-		0.115	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207161F / Tactical AIM Missiles					Project (Number/Name) 674132 / AIM-9 Product Improvement				
	Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	317.629	40.473		34.932		86.549		-		86.549	-	-	N/A	

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207161F / Tactical AIM Missiles					674132 / AIM-9 Product Improvement			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
AIM-9X Block II Tech Refresh (SIP III)																												
SIP III Hardware ECP																												
OFS v9.5 Development																												
OFS v9.5 Release																												
OFS v10.4 (Rehost) Development																												
OFS v10.4 Release																												
OFS v10.5 Development																												
AIM-9X Block II Tech Refresh (SIP IV)																												
SIP IV Hardware (Sensor, Electronics Unit)																												
SIP IV Hardware ECP																												
OFS v11.5 Development																												
OFS v11.6 Development																												
Counter Unmanned Aircraft Systems Development																												
TRL 6 Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207161F / <i>Tactical AIM Missiles</i>	Project (Number/Name) 674132 / <i>AIM-9 Product Improvement</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>AIM-9X Block II Tech Refresh (SIP III)</i>				
SIP III Hardware ECP	4	2024	4	2024
OFS v9.5 Development	1	2024	3	2025
OFS v9.5 Release	2	2025	4	2025
OFS v10.4 (Rehost) Development	1	2024	4	2025
OFS v10.4 Release	2	2025	1	2026
OFS v10.5 Development	1	2024	3	2026
<i>AIM-9X Block II Tech Refresh (SIP IV)</i>				
SIP IV Hardware (Sensor, Electronics Unit)	1	2024	4	2026
SIP IV Hardware ECP	4	2026	4	2026
OFS v11.5 Development	1	2024	4	2027
OFS v11.6 Development	2	2026	1	2030
<i>Counter Unmanned Aircraft Systems Development</i>				
TRL 6 Development	2	2026	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207163F I Advanced Medium Range Air-to-Air Missile (AMRAAM)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	845.446	51.976	53.593	51.242	0.000	51.242	-	-	-	-	-	-
673777: AMRAAM	845.446	51.976	53.593	51.242	0.000	51.242	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 185												
A. Mission Description and Budget Item Justification												
<p>The Advanced Medium Range Air-to-Air Missile (AMRAAM) is a joint Air Force/Navy, Acquisition Category 1C program with Air Force as lead service. AMRAAM is the premier all-weather, all-environment, radar guided missile with improved capabilities against very low and high-altitude targets in an electronic attack environment. The current AMRAAM variant, the AIM-120D, delivers improved performance via Global Positioning System (GPS) aided navigation; two way datalink capability for enhanced aircrew survivability and improved network compatibility; and incorporates new guidance software that improves kinematic performance and weapon effectiveness.</p>												
<p>This Air Force/Navy program is structured in response to the Joint Service Operational Requirement Document and Mission Element Need Statement to develop an air superiority air-to-air missile with significant improvements in operational utility and combat effectiveness. The development program enhances AMRAAM capability and operational flexibility against current and projected threats, incorporates high payoff technology development, performs risk reduction activities, and investigates new variants and/or alternate missions that may use AMRAAM attributes. To maximize effectiveness of existing inventory and address findings from the field, the Navy and Air Force also develop, test, and field improvements via software upgrades into fielded missiles and/or hardware upgrades inserted into the production line.</p>												
<p>This program supports the integration of the Advanced Medium Range Air-to-Air Missile (AMRAAM) into Air Force aircraft with analysis of Air Force unique applications, aircraft missile integration tasks, product improvement efforts including missile software upgrade development and procurement of hardware to support Air Force test and evaluation tasks.</p>												
<p>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; and program management administration (PMA).</p>												
<p>The FY 2026 request was reduced by -.582 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.</p>												
<p>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, or 0606398F. In FY24, \$0.00 were expended for civilian pay expenses in this program element and in FY25, \$0.00 are forecasted for civilian pay expenses in this program element.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207163F I Advanced Medium Range Air-to-Air Missile (AMRAAM)						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total		
Previous President's Budget		53.679	53.593	51.994	0.000	51.994		
Current President's Budget		51.976	53.593	51.242	0.000	51.242		
Total Adjustments		-1.703	0.000	-0.752	0.000	-0.752		
• 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		-1.703	0.000					
• Other Adjustments		0.000	0.000	-0.752	0.000	-0.752		
Change Summary Explanation								
No significant changes								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: System Improvement Program (SIP)				27.627	23.362	24.855	0.000	24.855
Description: Continuation of SIP Risk Reduction efforts for the AMRAAM weapons system. Efforts include systems engineering, program management, missile software and/or hardware upgrades to increase capability, survivability, lethality, as well as aircraft Operational Flight Profile updates on a recurring basis. AIM-120D-3 SIP-4 will exploit new Form, Fit, Function Refresh (F3R) hardware to maximize missile performance. AIM-120D SIP-3 Tape 2 will address newly matured capabilities, emerging threats, and OT deficiencies. AIM-120D-3 SIP-5 will increase heart of the envelope performance and address an expanded threat space. SIP-3 Tape 3 will continue to mature follow on development increments to basic capabilities added to in SIP-3 Tape 2 and other known deficiencies. Candidate Selection Process (CSP) analyzes warfighter priority deficiencies and enhancements to feed risk reduction efforts and future SIP efforts.								
FY 2025 Plans:								

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207163F I Advanced Medium Range Air-to-Air Missile (AMRAAM)				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Continued CSP. Completed SIP-4 software development with Minimum Viability Capability Release (MVCR) in the second quarter and start Integrated Test (IT) with a planned Functional configuration Audit (FCA) in the first quarter of FY26 followed by dedicated OT. SIP-3 Tape 2 began IT with a planned FCA in the third quarter and fielding in the fourth quarter. Began SIP-5 software development. FY 2026 Base Plans: Continue CSP. Field SIP-4. Continue SIP-5 software development with Minimum Viable Product (MVP) review planned for the fourth quarter. Begin SIP-3 Tape 3 software development with a planned contract award in the second quarter. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Increase is a result of SIP 4 completing development and entering testing phase, and SIP 5 and SIP 3 Tape 3 starting development efforts in FY 2026.						
Title: Test and Evaluation Description: Provides support to flight test efforts; develops test resources and equipment necessary to complete test events; provides contractor field team support personnel and services. FY 2025 Plans: Continued to develop and procure test resources required to meet test requirements and provide support personnel to complete AIM-120 test events. FY 2026 Base Plans: Continued to develop and procure test resources required to meet test requirements and provide support personnel to complete AIM-120 test events. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: FY 2026 decrease due to SIP 4 testing nearing completion and other development efforts requiring less testing.		18.639	26.043	21.877	0.000	21.877
Title: Aircraft Integration		5.710	4.188	4.510	0.000	4.510

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207163F I Advanced Medium Range Air-to-Air Missile (AMRAAM)						
C. Accomplishments/Planned Programs (\$ in Millions)						FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Description: Supports the integration of AIM-120 on multiple aircraft platforms as AIM-120 software/hardware is updated and as aircraft OFPs are updated. FY 2025 Plans: Continued integration and testing of AIM-120 on multiple aircraft platforms. FY 2026 Base Plans: Continue integration and testing of AIM-120 on multiple aircraft platforms. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Small increase due to inflation											
Accomplishments/Planned Programs Subtotals						51.976	53.593	51.242	0.000	51.242	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 02 Line Item MAMRA0: Missile Procurement, Air Force	701.459	446.257	666.014	-	666.014	-	-	-	-	-	-
• MPAF 04 Line Item 000999: Initial Spares/Repair Parts	2.286	2.331	2.359	-	2.359	-	-	-	-	-	-
• MPAF 04 Line Item 000999 Replen: Replen Spares/Repair Parts	0.950	0.971	0.981	-	0.981	-	-	-	-	-	-
• MPAF 02 Line Item 2206: Weapons Procurement, Navy	439.153	279.715	69.591	-	69.591	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
AMRAAM Acquisition Strategy Report (ASR) was updated on 16 May 2018.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I</i> BA 7: <i>Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207163F <i>I Advanced Medium Range Air-to-Air Missile (AMRAAM)</i>	
<p>System Improvement Program (SIP) development efforts continually mature capabilities through software and/or hardware upgrades to maximize missile performance to address current and emerging threats. These missile performance improvements are incrementally fielded ensuring inventory viability into the future. SIP development contracts are cost type contract efforts.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)				Project (Number/Name) 673777 / AMRAAM					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Electronic Protection Improvement Program (EPIP)	Various	Raytheon : Tucson, AZ	86.959	-		-		-		-		-	-	-	-
F-22 Aircraft Integration	MIPR	Wright-Patterson AFB : Dayton, OH	114.890	-		-		-		-		-	-	-	-
System Improvement Program (SIP)	Various	Raytheon : Tucson, AZ	284.724	26.240	Jun 2024	21.539	Jun 2025	21.330	Jul 2026	-		21.330	-	-	626.987
Aircraft Integration Support	SS/CPFF	Raytheon : Tucson, AZ	30.876	4.335	May 2024	4.342	May 2025	4.510	May 2026	-		4.510	-	-	99.345
Subtotal			517.449	30.575		25.881		25.840		-		25.840	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test	Various	Various : Various	112.078	5.167	Jan 2024	5.980	Jan 2025	7.873	Jan 2026	-		7.873	-	-	24.552
Test Support	SS/CPFF	Raytheon : Various	184.638	11.219	Jan 2024	16.264	Jan 2025	14.004	Jan 2026	-		14.004	-	-	339.748
Subtotal			296.716	16.386		22.244		21.877		-		21.877	-	-	N/A
Remarks															
Total Cost amount consists of test cost other government agencies and small contracts not associated with the prime vendor, Raytheon. Test cost for manpower at Test Wing. Small various contracts such as Dept of Energy, MANTRAC, SURVICE, and DOTC. The Target Value of Contract amount consists of the small various contracts such as Dept of Energy, MANTRAC, SURVICE, and DOTC. This amount does not include the various costs sent to Test Wing for government test.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : Various	31.281	5.015	Jan 2024	5.468	Jan 2025	3.525	Jan 2026	-		3.525	-	-	0.000
Subtotal			31.281	5.015		5.468		3.525		-		3.525	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force											Date: June 2025			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)					Project (Number/Name) 673777 / AMRAAM				
		Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		845.446	51.976		53.593		51.242		-		51.242	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)					673777 / AMRAAM			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
AMRAAM Development Program																												
AIM-120D SIP-3 Tape 2 Development																												
AIM-120D SIP-3 Tape 2 Test																												
AIM-120D SIP-3 Tape 2 FCA																												
AIM-120D SIP-3 Tape 2 IOC																												
AIM-120D3 SIP-3F IOC																												
AIM-120D3 SIP-4 Development																												
AIM-120D3 SIP-4 Test																												
AIM-120D3 SIP-4 FCA																												
AIM-120D3 SIP-4 IOC																												
AIM-120D3 SIP-5 Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)		Project (Number/Name) 673777 / AMRAAM

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
AMRAAM Development Program				
AIM-120D SIP-3 Tape 2 Development	1	2024	2	2025
AIM-120D SIP-3 Tape 2 Test	1	2025	3	2025
AIM-120D SIP-3 Tape 2 FCA	3	2025	3	2025
AIM-120D SIP-3 Tape 2 IOC	4	2025	4	2025
AIM-120D3 SIP-3F IOC	1	2024	1	2024
AIM-120D3 SIP-4 Development	1	2024	2	2025
AIM-120D3 SIP-4 Test	2	2025	1	2026
AIM-120D3 SIP-4 FCA	1	2026	1	2026
AIM-120D3 SIP-4 IOC	2	2026	2	2026
AIM-120D3 SIP-5 Development	2	2025	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0207172F <i>I Joint Advanced Tactical Missile (JATM)</i>
--	---

COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	425.029	0.000	425.029	-	-	-	-	-	-
673777: <i>AMRAAM</i>	0.000	0.000	0.000	425.029	0.000	425.029	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Advanced Tactical Missile (JATM), designated the AIM-260A, is a high speed, long range, air dominance missile designed to defeat current and projected enemy air threats. JATM is compatible with Air Force and Navy aircraft and is critical to preserving our nation's air dominance capability for the future. JATM is a joint Air Force and Navy program with the Air Force as the lead service.

Funding supports development activities associated with the JATM program. These activities include development as well as system improvement, developmental and operational test, and continued threshold platform integration. Funding will also continue science and technology (S&T) and risk reduction efforts to mature critical technologies and packaging designs for future JATM improvements and will enhance system performance to defeat pacing threats through targeted hardware and software enhancements.

Notes: This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	425.029	0.000	425.029
Total Adjustments	0.000	0.000	425.029	0.000	425.029
• 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	425.029	0.000	425.029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025							
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207172F I Joint Advanced Tactical Missile (JATM)									
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total					
Title: Joint Advanced Tactical Missile (JATM) Development Description: Continued development and system improvement. FY 2025 Plans: N/A FY 2026 Base Plans: Continued development and system improvement. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.		0.000	0.000	425.029	0.000	425.029					
Accomplishments/Planned Programs Subtotals		0.000	0.000	425.029	0.000	425.029					
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 02 0207172F: Joint Advance Tactical Missile (JATM)	0.000	0.000	368.593	-	368.593	-	-	-	-	-	-
Remarks This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.											
E. Acquisition Strategy The overarching strategy for the JATM program is to field initial capability as soon as possible, increase production capacity and deliver missiles to the field at greater rates, support fielded operations and repair, and improve JATM system performance against pacing threats through a System Improvement Program (SIP) and Block Upgrades.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Missile (JATM)						Project (Number/Name) 673777 / AMRAAM			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Actual breakout provided in Special Access Program Annual Report to Congress	TBD	Not specified. : TBD	-	-		-		425.029	Jan 2026	-		425.029	-	-	-
Subtotal			-	-		-		425.029		-		425.029	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		425.029		-		425.029	-	-	N/A
<div>Remarks</div> <div>This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.</div>															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force		Date: June 2025																																																																																																																			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Mi ssile (JATM)	Project (Number/Name) 673777 / AMRAAM																																																																																																																		
		<table border="1"><thead><tr><th colspan="4">FY 2024</th><th colspan="4">FY 2025</th><th colspan="4">FY 2026</th><th colspan="4">FY 2027</th><th colspan="4">FY 2028</th><th colspan="4">FY 2029</th><th colspan="4">FY 2030</th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th></tr></thead><tbody><tr><td colspan="2" rowspan="2">Special Programs</td><td colspan="28"></td></tr><tr><td colspan="28">Actual schedule provided in Special Access Program Annual Report to Congress</td></tr></tbody></table>		FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				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	Special Programs																														Actual schedule provided in Special Access Program Annual Report to Congress																											
FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030																																																																																													
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																																																																																										
Special Programs																																																																																																																					
		Actual schedule provided in Special Access Program Annual Report to Congress																																																																																																																			

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Mi ssile (JATM)	Project (Number/Name) 673777 / AMRAAM

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Special Programs				
Actual schedule provided in Special Access Program Annual Report to Congress	1	2026	4	2030

Note
This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. For further information, please contact the Director of Special Programs, OUSD(A&S)/DSP.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207227F I Combat Rescue - Pararescue							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	0.659	0.743	0.000	0.000	0.000	-	-	-	-	-	-
675352: Guardian Angel RDT&E	0.000	0.659	0.743	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Beginning in FY26 this funding is reported in BA 07 Project 0207457F.

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. Established by the Air Force Chief of Staff in 2003 and officially captured in AFD 10-9, the GA FoS is employed by three distinct Air Force specialties: Pararescuemen (PJ), Combat Rescue Officer (CRO), and Survival, Evasion, Resistance, Escape (SERE). The GA FoS 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. GA focus is on maintaining legacy weapon system capability while modernizing/improving subsystems for better mission effectiveness.

Mission Description and Budget Item Justification: To stay aligned with SECAF Operational Imperatives, with OSD Focus Area C2, logistics mobility (land/water), funds 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. This may be conducted through industry technology demonstrations, prototypes, and associated engineering support to posture the GA program for technology insertion. The Guardian Angel 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 Guardian Angel Operators in terms of dramatic weight reduction, standardization of items across units, and increased mission effectiveness across the conflict spectrum. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

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 0.443M was expended for civilian pay expenses in this program element, and in FY 2025 0.361M 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207227F I Combat Rescue - Pararescue				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	0.726	0.743	0.763	0.000	0.763	
Current President's Budget	0.659	0.743	0.000	0.000	0.000	
Total Adjustments	-0.067	0.000	-0.763	0.000	-0.763	
• Congressional General Reductions	-0.067	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	-0.763	0.000	-0.763	
Change Summary Explanation Beginning in FY26 this funding is reported in BA 07 Project 0207457F.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Guardian Angel Family of Systems (FoS)				0.659	0.743	0.000
Description: Standardize, modernize and develop additional capability for the Guardian Angel (GA) weapon system used by Combat Rescue Officers and Pararescuemen. 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 2025 Plans: - Will continue to complete studies, strategic planning, and development activities for increased capability. - Will continue necessary software upgrades to Special Warfare Assault Kit (SWAK) information management system. - Will conduct testing for SECAF OI & OSD 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 coordinate with AFRL periodically to monitor ongoing RDT&E efforts and determine the best use of such funds.						
FY 2026 Plans: Beginning in FY26 this funding is reported in BA 07 Project 0207457F.						
- Will continue to complete studies, strategic planning, and test development activities for increased capability.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
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 0207227F I <i>Combat Rescue - Pararescue</i>							
C. Accomplishments/Planned Programs (\$ in Millions)												
<ul style="list-style-type: none"> - Will continue necessary software upgrades to Special Warfare Assault Kit (SWAK) information management system. - Will conduct testing for SECAF OI & OSD 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. <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Beginning in FY26 this funding is reported in BA 07 Project 0207457F.</p> <p>Increase to funding allows for the additional software development and testing for the SWAK information management system.</p>										FY 2024	FY 2025	FY 2026
Accomplishments/Planned Programs Subtotals										0.659	0.743	0.000
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost	
• OPAF 04 Line Item 842990: <i>Items Less than \$5M (Safety)</i>	24.484	25.841	24.434	-	24.434	-	-	-	-	-	-	
• OPAF 02 Line Item 823230: <i>Security and Tactical Vehicles</i>	0.268	0.301	0.000	-	0.000	-	-	-	-	-	-	
Remarks												
E. Acquisition Strategy												
<p>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 common solutions are developed and procured for GA, SWAGR and TACP programs through the Special Warfare Program office, reducing cost and increasing interoperability.</p>												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207227F / Combat Rescue - Pararescue				Project (Number/Name) 675352 / Guardian Angel RDT&E					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : TBD	-	0.016	Jan 2024	0.035	Jan 2025	-		-		-	-	-	-
System Engineering and Integration (SE&I)	Various	Various : Various	-	0.200	Apr 2024	0.343	Apr 2025	-		-		-	-	-	-
Subtotal			-	0.216		0.378		-		-		-	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	0.443	Oct 2023	0.365	Oct 2024	0.000	Oct 2025	-		0.000	-	-	-
Subtotal			-	0.443		0.365		0.000		-		0.000	-	-	N/A
			Prior Years	FY 2024	FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	0.659		0.743		0.000		-		0.000	-	-	N/A
Remarks Beginning in FY26 this funding is reported in BA 07 Project 0207457F.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207227F / Combat Rescue - Pararescue			Project (Number/Name) 675352 / Guardian Angel RDT&E

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207227F / Combat Rescue - Pararescue	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	2024	4	2030
Test Activities	1	2024	4	2030

Note
Beginning in FY26 this funding is reported in BA 07 Project 0207457F.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207238F I E-11A							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	23.044	30.967	15.244	0.000	15.244	-	-	-	-	-	-
671201: E-11 Development	0.000	16.835	19.983	10.332	0.000	10.332	-	-	-	-	-	-
675383: BATTLEFIELD AIRBORNE COMM NODE (BACN)	0.000	6.209	10.984	4.912	0.000	4.912	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 671201 is primarily focused on Operational Systems Development for the E-11A Battlefield Airborne Communication Node (BACN) platform, and BPAC 675383 is primarily focused on BACN payload weapon system components.

BACN enables tactical edge and Joint and Coalition information interoperability via air, space, and surface systems, to include a Backbone Network for high-capacity data transfer. As requirements emerge, BACN will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future Open Mission System "OMS" technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components; Ka-Band Satellite Communications (Ka-SATCOM), Integrated Broadcast System (IBS), Protected Tactical Satellite Communications (PTS), enhancements to Military Global Positioning System (MilGPS), integration of advanced antennas and waveforms, development efforts enabling integration of Advanced Battle Management System (ABMS)/ Joint All Domain Command and Control (JADC2) capabilities, enhancements to ground support capabilities. Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, aircraft avionics upgrades, as well as early system engineering assessments and risk reduction activities associated with weapon system "payload" & "platform" survivability in non-contested through contested environments. Efforts include, if needed, long lead items required for successful integration of subsystems (Ka-Band SATCOM, IBS, PTS, Mil-GPS), required non-recurring engineering and Diminishing Manufacturing Sources "DMS" issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backwards compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft efforts. This includes future development and/or modification initiatives for payload form factor updates, integration efforts with other aerial gateway systems such as Roll on Beyond Line of Sight Enhancement (ROBE), as well as analysis and redesign efforts for improved data/voice range extension and translation.

*This program element 0207238F is a continuation of legacy program element 0207610F.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0207238F / E-11A
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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 0.671M was expended for civilian pay expenses in this program element, and in FY 2025 0.949M is forecast for civilian pay expenses in this program element.

The FY 2026 request was reduced by \$0 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	64.888	64.127	26.580	0.000	26.580
Current President's Budget	23.044	30.967	15.244	0.000	15.244
Total Adjustments	-41.844	-33.160	-11.336	0.000	-11.336
• 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	-39.595	-33.160			
• SBIR/STTR Transfer	-2.249	0.000			
• Other Adjustments	0.000	0.000	-11.336	0.000	-11.336

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 671201 / E-11 Development			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
671201: E-11 Development	0.000	16.835	19.983	10.332	0.000	10.332	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 671201 is primarily focused Operational Systems Development for the E-11 BACN platform.

Battlefield Airborne Communication Node (BACN) enables tactical edge Joint and Coalition information interoperability via air, space, and surface systems, to include a network for high-capacity data transfer. As requirements emerge, BACN will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future Open Mission System (OMS) technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components such as Military Global Positioning System (MilGPS), M-code or future software and integration of advanced antennas and waveforms, development efforts enabling integration of ABMS/ JADC2 capabilities, enhancements to ground support capabilities.

Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, as well as aircraft avionics upgrades, early system engineering assessments and risk reduction activities associated with weapon system "payload" and "platform" survivability in non-contested through contested environments.

Efforts include required non-recurring engineering and Diminishing Manufacturing Sources (DMS) issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backward compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft 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 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024 \$0.671M was expended for civilian pay expenses in this program element, and in FY 2025 \$0.949M 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)

	FY 2024	FY 2025	FY 2026
Title: M-Code Military Global Positioning System (MilGPS)	16.835	19.983	10.332

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: Effort enhances MilGPS, including development and integration of emerging GPS and/or PNT technologies such as M-Code, testing, & complete certification. Funds engineering and integration of M-Code GPS capabilities within the E-11 aircraft avionics suite. All E-11s existing and procured are required to have M-Code GPS and this effort will provide enhanced military grade GPS capabilities to the full BACN fleet. Substantial analysis, design, systems engineering, and developmental activities are required to integrate capabilities onboard existing E-11s as the aircraft are civil derivative aircraft.</p> <p>FY 2025 Plans: - Begin test and integration of MILGPS M-Code technology into the BACN E-11A platform and integration with payload Common Data Link (CDL). Due to the aircraft being civil derivative, integration efforts will require extensive testing to assure/maintain airworthiness.</p> <p>FY 2026 Plans: - Will continue test and integration of MILGPS M-Code technology into the BACN E-11A platform and integration. This effort is funded with RDT&E funds for integration, assembly, test, and checkout of systems on two E-11As, and procurement funds for hardware, payload integration, and related activities on the remaining five aircraft. This comprehensive effort will complete software development, integration, and deployment of M-Code across all seven BACN jets, incorporating the necessary Embedded GPS Inertial Navigation (EGI), an Antenna Electronics Unit (AEU), and a Controlled Reception Pattern Antenna (CRPA) to ensure jam resistant capability. Six M-Code units will be utilized during the Research and Development phase—two for the Global Express, two for the Global 6000, and two for additional test articles.</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: Decrease due to majority of development work for Mil GPS integration expected to be funded with FY 2025 funds, with integration activities expected to decrease in FY 2026.</p>			
Accomplishments/Planned Programs Subtotals		16.835	19.983
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Acquisition strategies varied by effort that provide research, development, integration and interoperability of the BACN platform, payload, supporting systems and equipment and will utilize all contracting options and mechanisms available.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 671201 / E-11 Development					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
M-Code MilGPS	C/Various	Not specified. : TBD	-	11.414	Jul 2025	16.869	Aug 2025	9.355	Jul 2026	-		9.355	-	-	-
Subtotal			-	11.414		16.869		9.355		-		9.355	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Authorization	TBD	Civilian Pay : TBD	-	0.671	Dec 2023	0.949	Dec 2024	0.977	Dec 2025	-		0.977	-	-	-
Travel	TBD	Not specified. : TBD	-	0.000	Jan 2024	0.000	Jan 2025	0.000	Jan 2026	-		0.000	-	-	-
Assessments	C/TBD	Not specified. : TBD	-	0.007	Feb 2025	0.000	Jan 2025	0.000	Jan 2026	-		0.000	-	-	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	4.743	Mar 2024	2.165	Jan 2026	0.000	Mar 2026	-		0.000	-	-	-
Subtotal			-	5.421		3.114		0.977		-		0.977	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	16.835		19.983		10.332		-		10.332	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 7	PE 0207238F / E-11A	671201 / E-11 Development	

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
E-11 Development																												
M-Code MilGPS																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
E-11 Development				
M-Code MilGPS	4	2025	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675383: BATTLEFIELD AIRBORNE COMM NODE (BACN)	0.000	6.209	10.984	4.912	0.000	4.912	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 675383 is primarily focused on BACN payload weapon system components.

Battlefield Airborne Communication Node (BACN) enables tactical edge Joint and Coalition information interoperability via air, space, and surface systems, to include a network for high-capacity data transfer. As requirements emerge, BACN and ROBE systems will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future Open Mission System (OMS) technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components such as Ka-Band Satellite Communications (Ka-SATCOM), Integrated Broadcast System (IBS)The BACN payload will integrate higher capacity/low latency payload control links that possess advanced capabilities, including improved frequency hopping, anti-jamming techniques to ensure reliable and secure communication. Integration of advanced antennas and waveforms, development efforts enabling integration of ABMS/ JADC2 capabilities, enhancements to ground support capabilities. Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, aircraft avionics upgrades, as well as early system engineering assessments and risk reduction activities associated with weapon system payload & platform survivability in non-contested through contested environments. Efforts include required non-recurring engineering and Diminishing Manufacturing Sources (DMS) issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backwards compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft 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 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024 \$0.671M was expended for civilian pay expenses in this program element, and in FY 2025 \$0.949M 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)

	FY 2024	FY 2025	FY 2026
Title: BACN Software Upgrades	6.209	10.984	4.912

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
<p>Description: BACN has a continuous need for software upgrades. Effort enhances information processing and communications capabilities including but not limited to development and integration of Ka-band Satellite Communications (Ka SATCOM) and Multi-User Objective System (MUOS). Funds for design, development, integration, testing and certification of modifications are required to incorporate these capabilities as well as meet cybersecurity certification requirements and resolve risk and identified software deficiencies across the BACN payload and ground support systems. These efforts are required to support emerging communications requirements in complex and secure military environments.</p> <p>This thrust is a roll-up of all software efforts. The major software effort service pack upgrade 3.3.3 completes in FY 2025. In FY 2026, efforts will continue with systems engineering, design, development, and integration to support incorporation of Airborne Executive Processor (AEP) enhancements and other advanced communications waveforms & radio interfaces.</p> <p>FY 2025 Plans: - Continue to provide software updates and integration to incorporate advanced processing equipment, communications waveforms and radio interfaces. Continuation of MUOS effort to include testing, certification and deployment.</p> <p>FY 2026 Plans: No funds requested in FY 2026</p> <p>FY 2025 to FY 2026 Increase/Decrease Statement: The major software effort service pack upgrade 3.3.3 completes in FY 2025. In FY 2026, smaller efforts will continue with systems engineering, design, development, and integration to support incorporation of Airborne Executive Processor (AEP) enhancements and other advanced communications waveforms & radio interfaces.</p>			
Accomplishments/Planned Programs Subtotals		6.209	10.984
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Acquisition strategies varied by effort that provide research, development, integration and interoperability of the BACN platform, payload, supporting systems and equipment and will utilize all contracting options and mechanisms available.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
BACN Software Upgrades	SS/CPFF	Northrop Grumman : San Diego, CA	-	6.209	Jul 2024	10.170	May 2025	4.912	Nov 2025	-		4.912	-	-	-
Subtotal			-	6.209		10.170		4.912		-		4.912	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Authorization	TBD	Civilian Pay : TBD	-	0.000	Dec 2023	0.000	Dec 2024	0.000	Dec 2025	-		0.000	-	-	-
Travel	TBD	Not specified. : TBD	-	0.000	Jan 2024	0.000	Jan 2025	0.000	Jan 2026	-		0.000	-	-	-
Assessments	C/TBD	TBD : TBD	-	0.000	Jul 2024	0.000	Apr 2025	0.000	Jan 2026	-		0.000	-	-	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	0.000	May 2024	0.814	Jan 2026	0.000	Mar 2026	-		0.000	-	-	-
Subtotal			-	0.000		0.814		0.000		-		0.000	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	6.209		10.984		4.912		-		4.912	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A					Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
BACN Systems																												
BACN Software Upgrades																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
BACN Systems				
BACN Software Upgrades	1	2024	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	30.649	50.263	52.492	0.000	52.492	-	-	-	-	-	-
670001: Air Force TENCAP	0.000	30.649	50.263	52.492	0.000	52.492	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Air Force Tactical Exploitation of National Capabilities (TENCAP) increases warfighter effectiveness through the exploitation of national capabilities and promotes cross-domain integration of these capabilities into military operations/training and intelligence, surveillance and reconnaissance (ISR) activities.

In FY 2026, AF TENCAP exploits existing National, global, and Non-Traditional ISR in air, space, and cyber domains for operational and tactical applications by rapidly prototyping and providing capability demonstrations. The program consists of multiple small projects supporting the Air Force warfighter. Projects are designed to transition to warfighters or national intelligence agencies for operational use and to appropriate acquisition Programs of Record for sustainment and further development. AF TENCAP projects influence the design and operation of current and future National, global, and Non-Traditional systems in air, space, and cyber while providing situational awareness to warfighters and intelligence organizations.

AF TENCAP requirements and existing resources may be rapidly re-prioritized in response to emerging warfighter needs.

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, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2024, \$0.000M was expected to expend for civilian pay expenses in this program element, and in FY 2025, \$0.000M is forecasted for civilian pay expenses in this program element.

This program element received \$4.9M Ukraine Supplemental Funds in FY 2024.

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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	25.749	50.263	52.666	0.000	52.666	
Current President's Budget	30.649	50.263	52.492	0.000	52.492	
Total Adjustments	4.900	0.000	-0.174	0.000	-0.174	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	4.900	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	-0.174	0.000	-0.174	
Change Summary Explanation						
FY 2026: \$0.174M reprogrammed to account for reduced inflation calculations.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Exploitation Applications				29.399	24.069	25.779
Description: Exploiting existing National, global, and Non-Traditional ISR in air, space, and cyber for operational and tactical applications by rapidly prototyping and demonstrating capabilities. National capabilities are exploited to deliver rapid, cost-effective and innovative warfighting solutions. Project activities support Intelligence Surveillance and Reconnaissance requirements and the application of combat effects; Battlespace Awareness and Command and Control; support to Space; and support to Special Operations Forces and Advanced Capabilities. Activities also influence the design and operation of future National, global, and non-Traditional ISR systems in air, space, and cyber for tactical users.						
FY 2025 Plans:						
- Continues to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/ investment areas						
- Continues to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP's focused efforts to increase Battlespace Awareness and Command and Control; support to Special Operations Forces and Advanced Capabilities; support to Space; and support to ISR and Combat Applications to meet Air Force and Joint Warfighter requirements						
FY 2026 Plans:						
- Will continue to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/ investment areas						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
- Will continue to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP's focused efforts to increase Battlespace Awareness and Command and Control; support to Special Operations Forces and Advanced Capabilities; support to Space; and support to ISR and Combat Applications to meet Air Force and Joint Warfighter requirements FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased to fund additional rapid prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/investment areas. More detailed information on each project can be accessed through channels with a higher security classification level.				
Title: Moving Target Engagement Description: A portfolio to provide capabilities in support of the long range kill chain (LRKC) by providing moving target engagement (MTE) at scale through the identification, tracking, and engagement of numerous moving or mobile targets in a highly contested, time-compressed, multi-domain environment. Initiative development will provide rapid, effective processing of key adversary signals of interest (SOIs) and optimize data flows to provide actionable data to the warfighter. The MTE portfolio includes three lines of effort (LOEs) to provide rapid, effective processing of signals of interest and to optimize data flows to provide actionable data to the warfighter. LOE 1 focuses on the data acquisition and data conditioning of the signals of interest. LOE 2 focuses on enhancing data processing capabilities by identifying and developing supporting technologies and processes. LOE 3 focuses on defining and enhancing the necessary infrastructure to support the MTE portfolio efforts. MTE focuses on enhancing Enterprise capabilities and infrastructure. FY 2025 Plans: - Continues and significantly expands initiative development, demonstration, and transition activities focused on SOI data acquisition and conditioning to provide MTE at scale through the identification, tracking, and engagement of numerous moving or mobile targets in a highly contested, multi-domain environment - Initiates development, demonstration, and transition for activities focused on enhancing Enterprise data processing capabilities to meet tactically-relevant MTE requirements - Initiates development, demonstration, and transition for activities focused on the MTE infrastructure to provide rapid, effective processing of key adversary SOIs and optimize data flows to provide actionable data to the warfighter FY 2026 Plans: - Will continue initiative development, demonstration, and transition activities focused on SOI data acquisition and conditioning to provide MTE at scale through the identification, tracking, and engagement of numerous moving or mobile targets in a highly contested, multi-domain environment		1.250	26.194	26.713

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207247F I AF TENCAP		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none"> - Will continue development, demonstration, and transition for activities focused on enhancing Enterprise data processing capabilities to meet tactically-relevant MTE requirements - Will continue development, demonstration, and transition for activities focused on the MTE infrastructure to provide rapid, effective processing of key adversary SOIs and optimize data flows to provide actionable data to the warfighter <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Funding increased to fund additional rapid prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/investment areas. More detailed information on each project can be accessed through channels with a higher security classification level.</p>				
Accomplishments/Planned Programs Subtotals		30.649	50.263	52.492
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks N/A				
E. Acquisition Strategy <p>Projects are selected based upon needs identified by the program's customers - DOD Departments, Combatant Commands, Components, and/or MAJCOMs. Projects are mainly executed via AF TENCAP-owned single-award, multi-performer Indefinite Delivery/Indefinite Quantity contract or via existing contracts maintained by other agencies. The U.S. Government organization sponsoring a project is responsible for assuming acquisition, deployment, logistics, sustainment and budgetary responsibilities for the developed capability after it has been successfully demonstrated by AF TENCAP.</p> <p>AF TENCAP projects typically use an incremental acquisition strategy. AF TENCAP utilizes a disciplined systems engineering approach that allows program teams to solve problems through a series of segments. Each segment must meet the defined success criteria before progressing to the next segment, mitigating cost and schedule risk.</p> <p>Contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.</p>				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207247F / AF TENCAP						Project (Number/Name) 670001 / Air Force TENCAP			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Exploitation Applications	Various	Various : Various	-	25.170	Nov 2023	18.969	Nov 2024	22.129	Nov 2025	-		22.129	-	-	-
Moving Target Engagement	Various	Various : Various	-	1.250	Nov 2023	26.194	Nov 2024	23.063	Nov 2025	-		23.063	-	-	-
Subtotal			-	26.420		45.163		45.192		-		45.192	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	4.229	Nov 2023	5.100	Nov 2024	7.300	Nov 2025	-		7.300	-	-	-
Subtotal			-	4.229		5.100		7.300		-		7.300	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	30.649		50.263		52.492		-		52.492	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0207247F / AF TENCAP			670001 / Air Force TENCAP				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Exploitation Applications																												
Exploitation Applications Developed, Evaluated, and Released																												
Moving Target Engagement																												
Line of Effort 1																												
Line of Effort 2																												
Line of Effort 3																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207247F / AF TENCAP		Project (Number/Name) 670001 / Air Force TENCAP

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Exploitation Applications				
Exploitation Applications Developed, Evaluated, and Released	1	2024	4	2030
Moving Target Engagement				
Line of Effort 1	1	2024	4	2030
Line of Effort 2	1	2025	4	2030
Line of Effort 3	1	2025	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0207249F I Precision Attack Systems Procurement							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	11.459	9.423	13.613	0.000	13.613	-	-	-	-	-	-
675347: Advanced Targeting Pod	0.000	11.459	9.423	13.613	0.000	13.613	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability which are imperative in supporting Long Range Kill Chain, as well as target identification, reduction in collateral damage, and fratricide prevention for F-15C/E/EX, F-16 (all blocks), A-10C, B-52H, B-1B. ATP expanded range capabilities (in all domains), such as high resolution imagery, larger aperture, eye safe laser, high system reliability and smaller deployment footprint provide greater combat effectiveness across several mission areas. Demonstrated capability to support Counter-Unmanned Aircraft System (cUAS) and Homeland Missile Defense missions. Each targeting pod provides long-range target acquisition and expanded weapon delivery envelopes during day, night, and all-weather conditions. Targeting pods are equipped with infrared (Longwave/Midwave/Shortwave Infrared, Color TV) sensor, laser designator, digital video, and real time video data link for connectivity with ground forces. FY 2026 funds will support integrating ATP advanced technology with aircraft Operational Flight Programs, upgrading pod capability, technical analysis, and testing.

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 FY 2024 0.170M was expended for civilian pay expenses in this program element, and in FY 2025 0.489M 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207249F I Precision Attack Systems Procurement				
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	
Previous President's Budget	11.872	12.723	13.659	0.000	13.659	
Current President's Budget	11.459	9.423	13.613	0.000	13.613	
Total Adjustments	-0.413	-3.300	-0.046	0.000	-0.046	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	-3.300				
• 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	-0.413	0.000				
• Other Adjustments	0.000	0.000	-0.046	0.000	-0.046	
Change Summary Explanation FY25 Mark of 3.3M for program carry over.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2024	FY 2025	FY 2026
Title: Advanced Targeting Pod-Technical Insertion (ATP-TI) Increment 1				11.459	9.423	13.613
Description: ATP-Technical Insertion serves as a continuation effort of the ATP-Sensor Enhancement program. Efforts include upgrading Operational Flight Program for the Sniper and LITENING precision targeting pods, testing, and aircraft integration.						
FY 2025 Plans: Accomplish ATP Operational Flight Program (OFP) user requirements and provided improved long-range target detection/identification and continuous stabilized surveillance in support of ground forces with Large Aperture kits.						
FY 2026 Plans: Accomplish ATP Operational Flight Program (OFP) user requirements and provided improved long-range target detection/identification and continuous stabilized surveillance in support of ground forces with Large Aperture kits. (Continuation of FY 2025 requirements)						
FY 2025 to FY 2026 Increase/Decrease Statement: Increase is a result of planned negotiated contract value escalation.						
Accomplishments/Planned Programs Subtotals				11.459	9.423	13.613

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207249F I Precision Attack Systems Procurement						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 05 Line Item 057: Other Aircraft, Precision Attack Systems Modifications	50.500	54.844	236.499	-	236.499	-	-	-	-	-	-
• APAF 06 Line Item 000999: Initial Spares/Repair Parts	3.669	3.759	3.824	-	3.824	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy											
The Advanced Targeting Pod (ATP) acquisition strategy consists of several development contracts that use a competitive/ Firm Fixed Price (C/FFP) approach.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems P rocurement						Project (Number/Name) 675347 / Advanced Targeting Pod			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATP: OFP, Technology Improvement, Tech Analysis, Studies & Assessments	C/FFP	NGC, LM, AFRL : AFRL, WPAFB	-	11.006	Oct 2023	9.069	Oct 2024	12.905	Oct 2025	-		12.905	-	-	-
Subtotal			-	11.006		9.069		12.905		-		12.905	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/CPAF	Not specified. : TBD	-	0.000		0.000		0.000		0.000		0.000	-	-	-
DCA Civ Pay	Allot	Allotment: Wright Patt : Wright Patterson, OH	-	0.170	Jan 2024	0.154	Jan 2025	0.489	Jan 2026	-		0.489	-	-	-
Subtotal			-	0.170		0.154		0.489		0.000		0.489	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATP: Risk Reduction	C/FFP	Multiple : Various	-	0.283	Nov 2023	0.200	Nov 2024	0.219	Nov 2025	-		0.219	-	-	-
Subtotal			-	0.283		0.200		0.219		-		0.219	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	11.459		9.423		13.613		0.000		13.613	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement				Project (Number/Name) 675347 / Advanced Targeting Pod			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
ATP-TI																												
FY23 OFP Integration																												
FY24 OFP Integration																												
FY25 OFP Integration																												
FY26 OFP Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement	Project (Number/Name) 675347 / Advanced Targeting Pod	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ATP-TI				
FY23 OFP Integration	2	2024	2	2024
FY24 OFP Integration	2	2024	2	2025
FY25 OFP Integration	2	2025	2	2026
FY26 OFP Integration	2	2026	2	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207253F I Compass Call							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	62.555	132.475	0.000	0.000	0.000	-	-	-	-	-	-
674804: Compass Call	0.000	62.555	132.475	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Compass Call is the Air Force's wide-area, standoff, Airborne Electromagnetic Attack (AEA) Command and Control Warfare/Information Operations (C2W/IO) weapon system. The employment of this weapon system interrupts the adversary's use of the electromagnetic battlespace and is a key active component in the information battlespace and prosecution of current ground and airborne threats. Compass Call's sophisticated electromagnetic attack system is capable of surgical denial and/or disruption of adversary Radio Frequency (RF) communications, radar and sensor systems.

Due to rapid advances in Electromagnetic Attack (EA) techniques and technology, Compass Call is designed to be adaptable, making it well-suited for a continuous modernization strategy. Such a strategy ensures Compass Call techniques evolve at a pace capable of addressing adversary tactics and emerging technologies. The Compass Call weapon system is continuously improved using a rapid development and acquisition process supporting a spiral baseline upgrade strategy. User needs and technology insertion opportunities are continuously reviewed. As a result of technology refresh initiatives, including incorporation of open architectures, "plug and play" systems, software defined radios, and modular software development, Compass Call is implementing agile processes to support weapon system development activities.

In FY 2017, the Compass Call re-host program was initiated prompting transition of mission capabilities from the legacy EC-130H airframe to an EA-37B airframe. The re-hosted Compass Call platform is based on a commercial derivative G550 aircraft holding Federal Aviation Administration (FAA) Supplemental Type Certificates (STCs) for airworthiness. The platform will undergo modifications to host Compass Call's Prime Mission Equipment (PME) and antenna arrays and will receive additional STCs and Military Type Certificates (MTCs). The EA-37B aircraft will re-use PME from the EC-130H aircraft that will be upgraded to the latest Baseline. Due to the age of the EC-130H fleet, re-hosting of the PME is crucial to ensuring the longevity of this critical capability. In an effort to put capability into the warfighter's hands as soon as possible, the EA-37B program pursues concurrent developmental and production activities.

EA-37B Baseline 3 (BL3) updates fielded EC-130H Mid-Baseline 2 (MBL2) capabilities, while significantly increasing operating altitude and standoff distances through re-host onto the EA-37B airframe. Baseline 4 (BL4) transitions the software baseline to an agile software framework and implements System-Wide Open Reconfigurable Dynamic Architecture (SWORD-A) to enable rapid integration of new capabilities offering increased target capacity. Requirements for Baseline 5 (BL5) are currently being determined and are intended to focus on external communications systems to improve connectivity across the battlespace.

FY 2026 RDT&E efforts continue BL4 development activities, BL4 test and evaluation, maturation of AEA technologies, and trade studies for future Baseline efforts. Activities encompassed within the BL4 PME upgrade may include, but are not limited to, aircraft system integration; assembly, test and checkout; mission system

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207253F I Compass Call				
upgrades; obsolescence resolution; software development; systems engineering; test and evaluation; flight test; training systems; training events; support equipment; and Program Support Costs (PSC).						
Specific mission system developmental activities may include, but are not limited to, studies and analyses for future capabilities and baselines; preparation of white papers and technical reports; maturation of Technology Readiness Level (TRL) capabilities for future insertion; development of QRC applications for integration into Compass Call Software Defined Radios (SDRs); technology roadmap development; power expansion; transmit and receive development; size, weight, power and cooling (SWAP-C) reductions; transition of Compass Call PME to open architecture compliant standards; and continued migration of the Compass Call Operating System (CCOS) to an agile software construct.						
Compass Call funding also supports innovation activities to include studies, analyses, requirements definition, and QRC prototypes/demonstrations to accelerate planning for technology transition, technology insertion, and future acquisition programs.						
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 0605829F, 0605831F, 0605832F, 0605833F, 0605898F or 0606398F. In FY 2024 0.000M was expended for civilian pay expenses in this program element. In FY 2025 1.0M is being expended for civilian pay expenses in this program element. In FY 2026 1.0M is being expended for civilian pay expenses in this program element.						
The FY 2026 request for Compass Call includes \$0 thousand of discretionary and \$63,137 thousand of mandatory (reconciliation) for a total of \$63,137 thousand. The mandatory funds increase EA-37B production by continuing development, test and evaluation, maturation of AEA technologies, and trade studies for Baseline and Future Baselines. Further information for this reconciliation request is provided in Section 20007 (Air Superiority) of the Reconciliation Exhibit.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		66.932	132.475	107.766	0.000	107.766
Current President's Budget		62.555	132.475	0.000	0.000	0.000
Total Adjustments		-4.377	0.000	-107.766	0.000	-107.766
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		-2.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-2.377	0.000			
• Other Adjustments		0.000	0.000	-107.766	0.000	-107.766

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207253F I Compass Call		
Change Summary Explanation Decrease of \$63.137 million for Compass Call will be appropriately offset by funded sourced from the Reconciliation Bill (H.R. 1) upon enactment.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Baseline Upgrade Development		62.555	132.475	0.000
Description: Development and test of upgraded PME baseline (BL), other subsystem, and platform upgrades in order to ensure Compass Call capabilities remain ahead of emerging adversary tactics, techniques, and technologies.				
FY 2025 Plans: Supports PME development, integration, and test on platform upgrades and associated simulators/trainers, address PME anomalies as required, and capability development activities.				
Specific efforts include, but are not limited to, the following:				
• Continues platform and PME engineering, upgrade, and test activities				
• Continues advancing Electromagnetic Attack offensive capabilities and expanding frequency coverage				
• Continues studies and analysis for current/future baseline development planning				
• Develops future capabilities to combat emerging and modern threats				
• Develops future external communications upgrades				
• Develops training systems/simulator upgrades				
• Upgrades existing System Integration Lab (SIL) to include advanced testing capability				
• Continues Program Support Costs (PSC)				
FY 2026 Plans: Will continue PME development, integration, and test on platform upgrades and associated simulators/trainers, address PME discrepancies as required, and future analysis/maturation of baseline and capability development activities.				
Specific efforts include, but are not limited to, the following:				
• Will continue platform and PME engineering, upgrade, and test activities				
• Will continue advancing Electromagnetic Attack offensive capabilities and expanding frequency coverage				
• Will continue studies and analysis for current/future baseline development planning				
• Will develop future capabilities to combat emerging and modern threats				
• Will develop future external communications upgrades				
• Will develop training systems/simulation lab environments				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025	
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 0207253F / <i>Compass Call</i>		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
<ul style="list-style-type: none"> • Will continue Program Support Costs (PSC) 			
<i>FY 2025 to FY 2026 Increase/Decrease Statement:</i> Decrease of 63.137 million for Compass Call will be appropriately offset by funded sourced from the Reconciliation Bill (H.R. 1) upon enactment.			
Funding decreased for reallocation to procurement for simulator/training efforts, advanced capabilities, automation improvement, testing for airborne electronic attack superiority and higher Air Force priorities.			
Accomplishments/Planned Programs Subtotals	62.555	132.475	0.000

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• APAF 04 Line item CALL00: <i>Compass Call Aircraft</i>	0.000	0.000	-	-	-	-	-	-	-	-	-
• APAF 05 Line item CALL00: <i>Compass Call Mods</i>	144.686	94.654	-	-	-	-	-	-	-	-	-
• APAF 06 Line item CALL00: <i>Compass Call Mod Spares</i>	68.555	13.949	-	-	-	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy Due to rapid advances in Electromagnetic Attack (EA) techniques and technology, Compass Call was designed to be adaptable, making it well-suited to a continuous modernization strategy. Such a strategy ensures Compass Call techniques evolve at a pace capable of addressing adversary tactics and emerging technologies. The Compass Call weapon system is continuously improved using a rapid development and acquisition process supporting a spiral baseline upgrade strategy. User needs and technology insertion opportunities are continuously revised. As a result of technology refresh initiatives, including incorporation of open architectures, "plug and play" systems, software defined radios, and modular software development, Compass Call is implementing agile processes to support weapon system development activities. QRCs are used to address urgent warfighter requests that must be delivered prior to a Baseline release. Due to rapidly changing threat environment and operational demand leveraging Compass Call capabilities, the acquisition program manager may redirect funding as necessary to meet current stated and emerging/evolving Combatant Commander requirements.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)				Project (Number/Name)					
3600 / 7						PE 0207253F / <i>Compass Call</i>				674804 / <i>Compass Call</i>					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Call Baseline Upgrade Development Primary Mission Equipment	SS/CPFF	BAE Systems : Nashua, NH	-	38.769	Oct 2023	90.753	Oct 2024	-		-		-	-	-	-
Subtotal			-	38.769		90.753		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Call Test and Evaluation	Various	Not specified. : TBD	-	23.145	Dec 2023	40.870	Dec 2024	-		-		-	-	-	-
Subtotal			-	23.145		40.870		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Call Program Support Costs (PSC)	Various	AFLCMC : WPAFB, OH	-	0.641	Apr 2024	0.852	Apr 2025	-		-		-	-	-	-
Subtotal			-	0.641		0.852		-		-		-	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	62.555		132.475		-		-		-	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0207253F / <i>Compass Call</i>					674804 / <i>Compass Call</i>				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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 Call EA-37B Re-host (BL3)																												
Capability Development, Test, and Evaluation																												
Compass Call EA-37B BL4																												
Capability Development, Test, and Evaluation																												
Advanced Capability Development																												
Future Advanced Capability Development, Test, and Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>	Project (Number/Name) 674804 / <i>Compass Call</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Compass Call EA-37B Re-host (BL3)				
Capability Development, Test, and Evaluation	1	2024	4	2025
Compass Call EA-37B BL4				
Capability Development, Test, and Evaluation	1	2024	2	2029
Advanced Capability Development				
Future Advanced Capability Development, Test, and Evaluation	1	2024	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0207268F <i>I Aircraft Engine Component Improvement Program</i>
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COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	58.262	60.498	52.734	0.000	52.734	-	-	-	-	-	-
671012: <i>Aircraft Engine Component Improvement Program</i>	0.000	48.665	60.498	52.734	0.000	52.734	-	-	-	-	-	-
675365: <i>F135 Aircraft Engine Component Improvement Program</i>	0.000	9.597	0.000	0.000	0.000	0.000	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines to maintain flight safety (highest priority), correct deficiencies, improve system Operational Readiness (OR), Reliability & Maintainability (R&M), reduce engine Life Cycle Cost (LCC), and sustain engines throughout their service lives. It also serves as the primary vehicle to implement emerging technology solutions (e.g., additive manufacturing and digital engineering) to resolve these issues, and improve engine performance. Past investments have reduced warfighter Class A rates, decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. Priority requirements include Accelerated Mission Tests (AMTs) required for complex redesigns. The AMT provides early identification of safety/reliability issues prior to the operational fleets discovering unknown safety and/or reliability issues. Ongoing tasks for this year support eliminating critical safety concerns, addressing obsolescence and Diminishing Manufacturing Sources and Material Shortage (DMSMS), developing critical repairs, and extending life limited parts. Also, improving environmental processes and materials to increase energy efficiency, supply chains and USAF's ability to operate effectively under any climate conditions.

Engines are accepted into the CIP program after the first procurement-funded engine, and support continues over the engine's life, gradually decreasing to a minimum level (safety/depot repairs) sufficient to keep older engines operational. Engine CIP testing identifies and addresses engine-related problems before operational impacts materialize. R&M related Engine CIP efforts significantly reduce out year Operations and Maintenance (O&M) and spares costs.

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, 0605898F. In FY 2024 \$0.297 million was expended for civilian pay expenses in this program element, and in FY 2025 \$0.598 million is forecasted for civilian pay expenses in this program element.

The FY 2026 request was reduced by \$0.408 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207268F I Aircraft Engine Component Improvement Program			
B. Program Change Summary (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	55.223	68.743	55.424	0.000	55.424
Current President's Budget	58.262	60.498	52.734	0.000	52.734
Total Adjustments	3.039	-8.245	-2.690	0.000	-2.690
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-8.245			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	5.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-1.961	0.000			
• Other Adjustments	0.000	0.000	-2.690	0.000	-2.690
Change Summary Explanation					
FY24 increase of \$5.0 million congressional add for additive manufacturing initiatives.					
FY25 \$6.111M reduction for unjustified growth and \$2.134 million cut for compressor blade scanning.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
671012: Aircraft Engine Component Improvement Program	0.000	48.665	60.498	52.734	0.000	52.734	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines to maintain flight safety (highest priority), correct deficiencies, improve system Operational Readiness (OR), Reliability & Maintainability (R&M), reduce engine Life Cycle Cost (LCC), and sustain engines throughout their service lives. It also serves as the primary vehicle to implement emerging technology solutions (e.g., additive manufacturing and digital engineering) to resolve these issues and improve engine performance. Past investments have reduced warfighter Class A rates and decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. Priority requirements include Accelerated Mission Tests (AMTs) required for complex redesigns. The AMT provides early identification of safety/reliability issues prior to the operational fleets discovering unknown safety and/or reliability issues. Ongoing tasks for this year support eliminating critical safety concerns, addressing obsolescence and Diminishing Manufacturing Sources and Material Shortage (DMSMS), developing critical repairs, and extending life limited parts. Also, improving environmental processes and materials to increase energy efficiency, supply chains and USAF's ability to operate effectively under any climate conditions.

Service-related engine deficiencies occur throughout the engine lifecycle. Given the uncertainty with regard to the number and timing of engine-related deficiencies, it is essential for the USAF to have adequate engineering capability and test capacity to rapidly respond to problems as they occur. Engine CIP funding is driven by field events and engine type/maturity, not by the total quantity of fielded engines.

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

	FY 2024	FY 2025	FY 2026
Title: F100 Aircraft Engine Component Improvement Program	6.029	9.327	8.440
Description: The F100-220 and F100-229 Engine CIP provides critical engineering support to maintain flight safety, to address parts obsolescence, to improve OR and R&M, and to reduce engine LCC throughout their service lives. Funds may be used to address emerging and short-notice DMSMS.			
FY 2025 Plans: <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-15 and F-16 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce LCC, and sustain engines throughout their service life 			

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
- Complete F100 AMT FY 2026 Plans: - Will execute multiple tasks to address engine issues associated with the F-15 and F-16 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce LCC, and sustain engines throughout their service life - Complete F100 AMT FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY25 to FY26 funding is due to slightly fewer planned engine tasks			
Title: F110 Aircraft Engine Component Improvement Program Description: Engine CIP provides critical engineering support for multiple engines to maintain flight safety, to address parts obsolescence, and to improve OR and R&M, to reduce engine LCC, and to sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues. FY 2025 Plans: - Will execute multiple tasks to address engine issues associated with the B1, B-2, F-15, F-16, and U-2 aircraft - Address safety of flight, engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Complete F110 AMT - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life FY 2026 Plans: - Will execute multiple tasks to address engine issues associated with the B1, B-2, F-15, F-16, and U-2 aircraft - Address safety of flight, engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY25 to FY26 funding is due to slightly fewer planned safety tasks		11.586	9.627
Title: F119 Aircraft Engine Component Improvement Program		14.167	17.382

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026
<p>Description: Engine CIP provides critical engineering support for approximately 471 engines to maintain flight safety, to address parts obsolescence, and to improve OR and R&M, to reduce engine LCC, and to sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues.</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-22 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2026 Plans:</p> <ul style="list-style-type: none"> - Will execute multiple tasks to address engine issues associated with the F-22 aircraft - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures -AMT planning - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life <p>FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY25 to FY26 funding is due to slightly fewer F-22 engine tasks planned</p>					
<p>Title: Other Aircraft Engine Component Improvement Program</p> <p>Description: CIP provides critical engineering support for approximately 8,000+ engines (e.g., TF33, TF34, T53, T56, T700, T400, J85, F107), over 16,000 APU/SPS Propulsion Corporate Excellence (P-CORE) units, and critical developmental engineering support for future engines (e.g., F404, F130). This also includes, engine issues associated with the C-130, T38, UH-1N/HH-60G/HH-60W, A-10, B-52, AWACS, and JSTARS aircraft, cruise missiles and aircraft APUs. To sustain engines throughout their service lives. P-CORE provides specialized Propulsion trained personnel to effectively support flight safety, reliability, supportability, and affordability for emerging diminishing manufacturing, additive manufacturing, digital transformation, and other Propulsion Technology Office (PTO) priorities. Also includes planned Accelerated Mission Testing (AMT) for all CIP engines.</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures 			16.883	19.502	19.334

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025
- Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life FY 2026 Plans: - Address engine component redesign, repair/rework procedures, engine maturation and life limit/mission analysis - Validate redesigned parts and new repair procedures - Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life FY 2025 to FY 2026 Increase/Decrease Statement: Reduction in FY25 to FY26 funding is due to slightly fewer planned engine component redesign and repair activities			
Accomplishments/Planned Programs Subtotals		48.665	60.498
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
Other APPN RELATED ACTIVITIES			
(U) - PEs 0203752A and 0205633N, Army/Navy Aircraft Engine CIPs			
D. Acquisition Strategy			
Sole Source Indefinite Delivery/Indefinite Quantity (IDIQ) contracts to Original Equipment Manufacturers (OEMs) and DoD agencies with a 8-year ordering period and 10-year delivery period. Supports multiple tasks to accomplish CIP for more than 23 engine models.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP:Develop aircraft engine improvements - F110/F101/F118	SS/CPFF	GE : Evendale, OH	-	11.586	Oct 2023	9.627	Oct 2024	7.578	Oct 2025	-		7.578	-	-	-
Aircraft Engine CIP: Develop aircraft engine improvements-F100/F119/TF33	SS/CPFF	Pratt & Whitney : Hartford, CT	-	24.617	Oct 2023	36.724	Oct 2024	31.360	Oct 2025	-		31.360	-	-	-
Aircraft Engine CIP: Develop aircraft engine improvements-T400	SS/T&M	Pratt & Whitney : Quebec, Canada	-	0.000		0.020	Jul 2025	0.053	Oct 2025	-		0.053	-	-	-
Aircraft Engine CIP: Develop aircraft engine improvements-TF34/J85/T700	SS/CPFF	GE : Lynn, MA	-	2.403	Oct 2023	3.707	Oct 2024	2.777	Oct 2025	-		2.777	-	-	-
Aircraft Engine CIP: Develop aircraft engine improvements-T56	SS/CPFF	Rolls Royce : Indianapolis, IN	-	0.145	Oct 2023	0.358	Oct 2024	0.625	Oct 2025	-		0.625	-	-	-
Aircraft Engine CIP: Develop aircraft engine improvements-T53	SS/CPFF	Ozark : Springfield, MO	-	0.013	Jul 2024	0.068	Oct 2024	0.063	Oct 2025	-		0.063	-	-	-
Aircraft Engine CIP: Develop aircraft Auxiliary Power Unit improvements	SS/CPFF	Various : Various	-	1.756	Oct 2023	3.691	Oct 2024	4.616	Oct 2025	-		4.616	-	-	-
Aircraft Engine CIP: Develop engine improvements-F107	SS/CPFF	Williams Intl : Pontiac, MI	-	0.356	Oct 2023	0.000	Oct 2024	0.018	Oct 2025	-		0.018	-	-	-
Subtotal			-	40.876		54.195		47.090		-		47.090	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program						Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program			
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Ground test and validate engine improvements	PO	AEDC : Arnold AFB, TN	-	0.440	Dec 2023	0.974	Dec 2024	0.106	Dec 2025	-		0.106	-	-	-
Subtotal			-	0.440		0.974		0.106		-		0.106	-	-	N/A
Remarks Fuel costs for contractor-performed T&E are included in the applicable contract.															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: PMA	Various	Various : Various	-	1.715	Dec 2023	2.878	Dec 2024	2.359	Dec 2025	-		2.359	-	-	-
Propulsion Corporate Excellence (P-CORE)	Various	Various : Various	-	5.634	Dec 2023	2.451	Dec 2024	3.179	Dec 2025	-		3.179	-	-	-
Subtotal			-	7.349		5.329		5.538		-		5.538	-	-	N/A
Remarks PMA Description: Program Management support, travel, and A&AS.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	48.665		60.498		52.734		-		52.734	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207268F / Aircraft Engine Component Improvement Program					671012 / Aircraft Engine Component Improvement Program			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
CIP Legacy Activities																												
F-100 Engine CIP Activities																												
F-110 Engine CIP Activities																												
F-119 Engine CIP Activities																												
Other Legacy Engine/Future and P-CORE CIP Activities																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CIP Legacy Activities				
F-100 Engine CIP Activities	1	2024	4	2030
F-110 Engine CIP Activities	1	2024	4	2030
F-119 Engine CIP Activities	1	2024	4	2030
Other Legacy Engine/Future and P-CORE CIP Activities	1	2024	4	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
675365: F135 Aircraft Engine Component Improvement Program	0.000	9.597	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The F135 Aircraft Engine Component Improvement Program (CIP) supports the F-35 single-engine fighter propulsion system and provides critical sustaining engineering support for the F135 engine. F135 CIP maintains flight safety (highest priority), corrects service revealed deficiencies, improves system Operational Readiness (OR) and Reliability & Maintainability (R&M), reduces propulsion system Life Cycle Cost (LCC), and sustains the propulsion system throughout its service life. Past investments have reduced warfighter Class A rates and decreased Engine Related Loss of Aircraft (ERLOA) and generated significant returns on investments. F135 CIP, through "Lead the Fleet" operational use and accelerated mission testing, identifies and fixes propulsion-related problems ahead of operational impacts. F135 CIP ensures continued improvements in R&M, which reduce out year support costs.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2024	FY 2025	FY 2026	
Title: F135 Aircraft Engine Improvement Program									9.597	0.000	0.000	
Description: The Aircraft Engine CIP provides critical engineering support for F-35 propulsion systems to maintain flight safety for this single-engine fighter, correct service revealed deficiencies, improve system OR and R&M, reduce engine LCC, and sustain engines throughout their service life. Funds may be used to address emerging and short-notice DMSMS issues.												
FY 2025 Plans: N/A												
FY 2026 Plans: N/A												
FY 2025 to FY 2026 Increase/Decrease Statement: N/A												
Accomplishments/Planned Programs Subtotals									9.597	0.000	0.000	
C. Other Program Funding Summary (\$ in Millions)												
N/A												

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program

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

Remarks

Program Element 0205633N provides US Navy funding support for the F135 propulsion system.

D. Acquisition Strategy

Contracts within this program are projected to be awarded sole source to each engine manufacturer. F-135 Engine CIP tasks are generally assigned to the original engine manufacturer based on available funding and prioritization of candidates.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program						Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program			
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Develop F135 engine improvements	SS/CPFF	Pratt & Whitney : Hartford, CT	-	9.203	Jan 2024	-		-		-		-	-	-	-
Subtotal			-	9.203		-		-		-		-	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: PMA	Various	Various : Various	-	0.394	Dec 2023	-		-		-		-	-	-	-
Subtotal			-	0.394		-		-		-		-	-	-	N/A
Remarks PMA Description: Program Management support, travel, and A&AS.															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.597		-		-		-		-	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			Project (Number/Name)
3600 / 7		PE 0207268F / Aircraft Engine Component Improvement Program			675365 / F135 Aircraft Engine Component Improvement Program

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
CIP JSF Activities																												
F-135 Engine CIP Tasks																												
F-135 Engine CIP Tasks FY27-29																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CIP JSF Activities				
F-135 Engine CIP Tasks	1	2024	4	2024
F-135 Engine CIP Tasks FY27-29	1	2027	4	2030

Note
FY25-FY26 funding not supported.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	690.980	129.314	181.692	232.252	0.000	232.252	-	-	-	-	-	-
675356: JASSM Extended Range (JASSM-ER)	690.980	129.314	181.692	232.252	0.000	232.252	-	-	-	-	-	-
Quantity of RDT&E Articles	36	7	7	8	-	8	-	-	-	-		
Program MDAP/MAIS Code: 555												
A. Mission Description and Budget Item Justification												
<p>The Joint Air-to-Surface Standoff Missile (JASSM) family of missiles includes: JASSM Baseline (JASSM-BL/AGM-158A) and JASSM Extended Range (JASSM-ER/AGM-158B, AGM-158B-2, AGM-158B-3, and AGM-158D). JASSM-ER provides a long range, conventional air-to-surface, autonomous, precision-guided, low observable, standoff cruise missile compatible with fighter and bomber aircraft. JASSM-ER provides the capability to attack a variety of high value fixed or relocatable targets with precision, through preplanned missions or target-of-opportunity, deeper into enemy territory than JASSM-BL, all while minimizing the threat to launch aircraft. Aircraft integration of JASSM-ER/AGM-158B is complete on the B-1, F-15E, F-16, B-2, and B-52. Objective aircraft are F-15E, F-16, B-52, B-2, and further integration is required for the F-35.</p>												
<p>The AGM-158A, AGM-158B, and AGM-158B-2 are fielded. The AGM-158B-3 and AGM-158D are in development and will gradually insert into the production line as the new missile builds are approved and ready. Missiles accepted by the Air Force will not be returned for modification to the newest variant.</p>												
<p>Threats to JASSM survivability are being rapidly developed and fielded by near-to-peer adversaries. JASSM continued development enhances capability and provides operational flexibility against current and projected threats. This is accomplished by evaluating high payoff technology development, performing risk reduction activities, and investigating new variants and/or alternate missions that may use JASSM attributes. To maximize effectiveness of existing inventory and address findings from the field, the Air Force develops, tests, and fields improvements via software upgrades into fielded missiles and/or hardware upgrades inserted into the production line.</p>												
<p>The AGM-158B-2 is an upgrade to the existing JASSM-ER/AGM-158B, incorporating multiple development initiatives to respond to rapidly changing threats and is being produced in Lot 19. The AGM-158B-3 provides M-code capability and will begin a production cut-in starting in Lot 22. The AGM-158D provides Weapon Data Link (WDL) capability to re-target the missile, post-launch, against relocatable or higher priority targets during mission execution. The AGM-158D will begin a production cut-in starting in Lot 22.</p>												
<p>Weapon Data Link (WDL), This effort includes development of the WDL, as well as integration and testing efforts. The WDL allows warfighters to retarget the weapons via line-of-sight and beyond-line-of-sight, allowing the missile to attack relocatable and/or time sensitive targets post aircraft release.</p> <p>Test assets encompass AGM-158B-3 and AGM-158D in FY24-26.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)				
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 FY24, .97M was allocated for civilian pay expenses in this program element. In FY25, 1.216M is forecasted for civilian pay expenses in this program element.						
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 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. Leverages common component development, in collaboration with other weapon systems, to reduce redundant costs between systems with similar subsystems requirements. Invests in analytical, data management, digital environments, networks, facilities, and security infrastructure upgrades supporting development of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.						
The Weapon Data link (WDL) allows warfighters to retarget the weapons via line-of-sight and beyond-line-of-sight, allowing the missile to attack relocatable and/or time sensitive targets post aircraft release. The WDL program is designed to use an open-system architecture standard with outside communication nodes.						
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. Funding for this exhibit is contained in PE 0207325F.						
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		132.937	183.532	41.017	0.000	41.017
Current President's Budget		129.314	181.692	232.252	0.000	232.252
Total Adjustments		-3.623	-1.840	191.235	0.000	191.235
• 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		-3.623	0.000			
• Other Adjustments		0.000	-1.840	191.235	0.000	191.235

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)		
Change Summary Explanation FY26: FY23 Service Cost Position (SCP) and following Non-Advocate Cost Assessment (NACA) reflect Air Combat Command (ACC) requirement for an improved AGM-158D JASSM variant and an accelerated timeline to Production decision. Increase includes initial flight testing to evaluate JASSM's first ever beyond line of sight (BLOS) retargeting capabilities against classified target sets.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
Title: Warfighting Capability Enhancement		28.336	28.500	32.022
Description: Design and development of software and mission planning changes to ensure the missile maintains operational effectiveness in classified scenarios. JASSM variants are: JASSM baseline (JASSMBL/AGM-158A) in sustainment, JASSM Extended Range (JASSM-ER/AGM-158B, AGM-158B-2, AGM-158B-3 and AGM-158D).				
FY 2025 Plans: Continue lab development, lab/flight testing and update classified software accordingly based on test results. Continue modification of classified software to enable the missile to maintain operational effectiveness in classified scenarios. FY 2025 will include agile C++ missile operational flight program releases in the 54.0.xx series software family and associated testing for verification of system updates.				
FY 2026 Plans: Will continue lab development, lab/flight testing and update classified software to include mission planning. Will develop the appropriate Systems/Missile Performance Models (PMs) for the AGM-158D, provide the Missile Program Model (MPM) for incorporation into the JASSM mission planning software on Joint Mission Planning System (JMPS) and Joint Open Mission Systems (JOMS). Will continue modification of classified software to enable the missile to maintain operational effectiveness in classified scenarios. FY 2026 will include agile C++ missile operational flight program releases in the 54.0.xx series software family and associated testing for verification of system updates.				
FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to added enhanced software capabilities (M2 optimization) against new JASSM classified target set.				
Title: Advanced Survivability, Integration, and Test		12.757	0.000	0.000
Description: This effort includes development, integration and testing and will continue to enhance missile survivability through subsystem updates including cyber security implementation. The AGM-158B-2 will include a new Electronic Safe and Arm Fuze (ESAF), JASSM Anti-Jam Global Positioning System (GPS) Receiver with Selective Availability Anti-Spoofing Module (JAGR-S V5), an upgraded Missile Control Unit (MCU), Gigabit Ethernet Connector, and enhanced C++ software. This missile variant leverages LRASM coatings, Power Converter Assembly (PCA), Aft Cover and Power and Engine Control Unit (PECU) for improved production commonality.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025		
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 0207325F <i>I Joint Air-to-Surface Standoff Missile (JASSM)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026
FY 2025 Plans: N/A FY 2026 Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: N/A				
Title: Weapon Data Link (WDL) Description: This effort includes development of the Weapon Data Link (WDL), as well as integration and testing efforts. The WDL allows warfighters to retarget the weapons via line-of-sight and beyond-line-of-sight, allowing the missile to attack relocatable and/or time sensitive targets post aircraft release. The WDL program is designed to use an open-system architecture standard with outside communication nodes. The WDL effort reflected in 2024 consisted of the addition of a radio to the existing AGM-158B-2 variant. As of 2025, the JPO received additional requirements from the Air Combat Command resulting in a new AGM-158D JASSM variant and driving a significant increase in the level of effort required to deliver capability. The additional requirements have added complexity to the program, necessitating more developmental time. The scope increase includes antenna development and integration, fuel tank redesign and integration, terminal sensor integration, development and testing of C2 capability and 158D-specific C++ software, weight reduction, and a complete test plan which results in the schedule extending to FY 2027. FY 2025 Plans: Continues sub-system and system-level hardware demonstrations and qualification. Begins system level testing and qualification activities required for flight testing that begins in FY 2025. FY 2025 Funding (\$148.710M) is comprised of the WDL contract (\$134.747M), Government Test support (\$7.852M), and Program Management Administration (\$6.111M). FY 2026 Plans: Will continue sub-system and system-level hardware demonstrations and qualification. Will continue system level testing and qualification activities required for flight testing that begins in FY 2026. FY 2026 Funding (\$195.719M) will be comprised of the WDL contract (\$186.628M), Government Test support (\$5.128M), and Program Management Administration (\$3.963M). FY 2025 to FY 2026 Increase/Decrease Statement: The funding increase is attributed to combined developmental and operational flight testing of the JASSM B-3 and JASSM-D variants which feature M-Code GPS, Weapon Data Link (WDL) capability, and added weapon employment use cases to address new and emerging threats. This includes initial flight testing to evaluate JASSM's first ever beyond line of sight (BLOS) retargeting capabilities against classified target sets which is essential for delivering this much needed capability to the warfighter in 2027.		82.806	148.710	195.719

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025	
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 0207325F <i>I Joint Air-to-Surface Standoff Missile (JASSM)</i>		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026
The cost encompasses support for Test and Evaluation actions with necessary flight test vehicles (FTVs), performance modeling and simulation (M&S), missile software updates, cyber testing, range support/equipment, and aircraft integration to deliver these new JASSM capabilities.			
Title: Other Development/Safety/Survivability Description: This system improvement program (SIP) focuses on maintaining and upgrading capability and includes development, integration, and testing and will continue to enhance missile survivability through subsystem updates, including cyber security implementation. The SIP will explore and exploit new form, fit, function hardware to maximize missile performance and address newly matured capabilities and emerging threats. These updates will be incorporated via engineering change proposals (ECPs). Potential efforts could include development and integration of advanced Precision, Navigation, and Timing (PNT) capabilities, non-GPS, optical, passive, active, etc. evaluations (study analysis), survivability enhancements, safety certifications, flight testing, and open architecture efforts. A GPS Military (M) Code receiver is being developed to enable the missile to meet National Defense Authorization Act requirements. FY 2025 Plans: Continues evaluation activity addressing JASSM's obsolescence plan. Directed activities to include safety and survivability studies. Continues GPS effort and autopilot software allocations and updates. FY 2026 Plans: Will continue evaluation activity addressing JASSM's obsolescence plan. Directed activities to include safety and survivability, which are comprised of studies and testing to ensure lethality against emerging threats. FY 2025 to FY 2026 Increase/Decrease Statement: Funding increased due to activities targeting safety and survivability efforts.	5.415	4.482	4.511
Accomplishments/Planned Programs Subtotals	129.314	181.692	232.252

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u> <u>Base</u>	<u>FY 2026</u> <u>OOB</u>	<u>FY 2026</u> <u>Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• MPAF 02 PE 0207325F: <i>Joint Air to Surface Standoff Missile</i>	2,729.252	820.051	510.499	-	510.499	-	-	-	-	-	-
Remarks											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)	
<p>E. Acquisition Strategy</p> <p>The JASSM Acquisition Strategy 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 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. Leverages common component development, in collaboration with other weapon systems, to reduce redundant costs between systems with similar subsystems requirements. Invests in analytical, data management, digital environments, networks, facilities, and security infrastructure upgrades supporting development of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions. The Acquisition Strategy was amended and approved on September 8, 2017. This amendment enables the JASSM program to introduce upgrades which ensure its viability as the threat environment evolves. All current development contracts use a Cost Plus type contract.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)				Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Warfighting Capability Enhancement	SS/CPFF	Lockheed Martin : Orlando, FL	110.136	28.336	Nov 2023	28.500	Nov 2024	32.022	Nov 2025	-		32.022	-	-	240.933
Advanced Survivability, Integration, and Test	SS/CPFF	Lockheed Martin : Orlando, FL	226.342	12.757	Nov 2023	-		0.000		-		0.000	-	-	239.099
Weapon Data Link	SS/CPFF	Various : Orlando, FL	107.620	77.575	Dec 2023	134.747	Nov 2024	186.628	Nov 2025	-		186.628	-	-	763.434
Other Development/Safety/ Survivability	Various	Lockheed Martin : Orlando, FL	194.307	5.415	Mar 2024	4.482	Feb 2025	4.511	Feb 2026	-		4.511	-	-	225.745
Subtotal			638.405	124.083		167.729		223.161		-		223.161	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Not specified. : TBD	2.945	2.094		-		-		-		-	-	-	-
Subtotal			2.945	2.094		-		-		-		-	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test Support. Includes flight test equipment, targets, 96th Test Wing and Range Support, AEDC	Various	96 TW, Eglin AFB : TBD	38.920	-		7.852	Feb 2025	5.128	Feb 2026	-		5.128	-	-	-
Subtotal			38.920	-		7.852		5.128		-		5.128	-	-	N/A
Remarks -Arnold Engineering Development Complex (AEDC)															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)				Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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). Provides program office oversight of development and upgrade activities.	Various	PMA : Eglin AFB, FL	10.710	3.137	Apr 2024	6.111	Apr 2025	3.963	Apr 2026	-		3.963	-	-	0.000
Subtotal			10.710	3.137		6.111		3.963		-		3.963	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			690.980	129.314		181.692		232.252		-		232.252	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)										Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
RDT&E Schedule Details																												
Warfighter Capability Enhancement																												
Advanced Survivability, Integration, and Test																												
Weapon Data Link																												
Diminishing Manufacture Sources and Obsolescence Evaluation/Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)	Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>RDT&E Schedule Details</i>				
Warfighter Capability Enhancement	1	2024	4	2030
Advanced Survivability, Integration, and Test	1	2024	3	2024
Weapon Data Link	1	2024	4	2027
Diminishing Manufacture Sources and Obsolescence Evaluation/Development	1	2024	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force **Date:** June 2025

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 0207327F I <i>Small Diameter Bomb (SDB)</i>							
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	42.860	29.910	24.810	0.000	24.810	-	-	-	-	-	-
675191: <i>SDB Increment II</i>	0.000	42.860	29.910	24.810	0.000	24.810	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

GBU-53/B Small Diameter Bomb Increment II (SDB II) StormBreaker is a joint interest United States Air Force (USAF) and Department of Navy (DoN) Acquisition Category (ACAT) IC program, with the USAF as the lead service. SDB II addresses the following warfighter requirements: attack moving and stationary targets; adverse weather operations; multiple ordnance carriage; precision munitions capability; reduced munitions footprint; increased weapons effectiveness; minimized potential for collateral damage; reduced susceptibility of munitions to countermeasures; and provides a network-enabled weapon capability via Link-16 and Ultra High Frequency (UHF) weapon data link. SDB II is a key component of the Air Force Global Strike Task Force Concept of Operations (CONOPs). The threshold aircraft for the USAF is the F-15E, and the threshold aircraft for the DoN are the F-35B and F-35C. Objective aircraft include the F-22, F-16, F-35A, B-2, A-10, MQ-9, B-1, B-52, AC-130 and the F/A-18E/F. SDB II is compatible with the Bomb Rack Unit-61 (BRU-61) miniature munitions carriage, Type II carriage systems, the Container Numerical Unit-660/E (CNU-660/E) carriage system, the Common Munitions Built In Test (BIT)/Reprogramming Equipment (CMBRE), and the Joint Mission Planning System (JMPS). SDB II will develop and field a single weapon storage container (USAF) and a dual weapon storage container (DoN).

SDB II completed a competitive Risk Reduction in October 2009 and entered Milestone B Engineering and Manufacturing Development (EMD) in August 2010. A Fixed Price Incentive Firm EMD contract with five options for annual Low Rate Initial Production (LRIP) lots (FY15-FY19) was awarded in August 2010. SDB II received Milestone C approval to enter LRIP in June 2015 and completed an Acquisition Program Baseline (APB) update. Contract options for LRIP Lots 1-5 have been exercised. Initial Operational Test and Evaluation (IOT&E) started June 2018 and completed December 2019. SDB II was fielded for the F-15E in September 2020. DoN's first production lot (Lot 4/FY19) supports F/A-18E/F Initial Operating Capability (IOC). The Milestone Decision Authority approved an APB update May 2022 to incorporate the new Air Force inventory objective and adjust for new F-35B/C software schedules.

Implements tenets of Open, Agile, and Digital acquisition for any new subsystem hardware or software development. Integrates the system in weapon portfolio trade space studies by conducting trade studies, system engineering, test activities, and 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. Leverages common component development, in collaboration with other weapon systems, to reduce redundant costs between systems with similar subsystems requirements. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging Department of Defense (DoD) and Department of Air Force (DAF) enterprise Information Technology (IT) solutions.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)				
This effort includes design, development, test, integration, and implementation of appropriate modular open systems approach, related components, and efforts, such as, but not limited to electrical, logical, and physical interfaces defined in relevant Open System Architecture (OSA) standards. This approach allows modular and severable subsystems, to include those that are software-defined, at the appropriate level to be incrementally added, removed, or replaced throughout the life cycle.						
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 \$0.718M was expended for civilian pay expenses in this program element, and in FY 2025 \$0.752M is forecast for civilian pay expenses in this program element.						
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D						
The FY 2026 request was reduced by \$0.025 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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget		37.518	29.910	24.918	0.000	24.918
Current President's Budget		42.860	29.910	24.810	0.000	24.810
Total Adjustments		5.342	0.000	-0.108	0.000	-0.108
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		3.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		3.716	0.000			
• SBIR/STTR Transfer		-1.374	0.000			
• Other Adjustments		0.000	0.000	-0.108	0.000	-0.108
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 675191: SDB Increment II						
Congressional Add: Precise Navigation						
Congressional Add Subtotals for Project: 675191						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)					
Congressional Add Details (\$ in Millions, and Includes General Reductions)			FY 2024		FY 2025		
			Congressional Add Totals for all Projects		3.0000.000		
Change Summary Explanation FY24 Congressional Add for Precise Navigation \$3.0M FY24 BTR of \$3.716M for Common Munitions Software Defined Radio (cMSDR)							
C. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: SDB II Development and Engineering Changes			16.117	20.735	24.810	0.000	24.810
Description: Development activities to deliver capabilities in the SDB II Capability Development Document (CDD). Design, develop, integrate, model, test, and qualify engineering changes to SDB II baseline hardware and software to meet emerging threat, new technologies and to maintain compatibility with external systems. Activities include, but are not limited to, DoD-mandated data link cryptographic modernization, program protection, exportability features, cyber security, advanced guidance, navigation and control, enhanced lethality, precise/advance navigation, and software capability upgrades. Conduct trade studies and concept development for technology refresh redesigns as based on obsolescence forecasts.							
FY 2025 Plans: Complete cryptographic modernization 2.0 weapon data link design into the TacNet 1.5 WDL. Complete design verification tests of electronic circuit card assemblies (CCAs) affected by obsolescence and M-Code moving toward AUR level testing. Perform OFP and firmware updates to support new CCA designs. Continue POM-level integrated CCA stack design verification testing and qualification. Continue integration and test of the TacNet 1.5 WDL with the new CCAs and associated OFP changes. Continue development, qualification, and testing of engineering changes associated with program protection, exportability, cyber security, enhanced lethality, survivability, threat defeat, software-based capability enhancements, obsolescence, and affordability. Increase System Improvement Program (SIP) to continually advance capability of the weapon and transition program to a steady OFP update cycle. Procure developmental test assets to support developmental test and conduct developmental Captive Flight Tests and platform integration testing. Continue integration of SDB II with Command and Control Infrastructure, including AOC integration and JTAC kits. Continue technical order updates to support ongoing OFP development efforts. Continue BRU-61 OFP updates and integration. Conduct							

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
trade studies and concept development for technology refresh redesigns as required based on obsolescence forecasts. FY 2026 Base Plans: Continue to perform OFP and firmware updates to support new CCA designs. Continue POM-level integrated CCA stack design verification testing and qualification. Continue integration and test of the TacNet 1.5 WDL with the new CCAs and associated OFP changes. Continue development, qualification, and testing of engineering changes associated with program protection, exportability, cyber security, enhanced lethality, survivability, threat defeat, software-based capability enhancements, obsolescence, and affordability. Increase System Improvement Program (SIP) to continually advance capability of the weapon and transition program to a steady OFP update cycle. Procure developmental test assets to support developmental test and conduct developmental Captive Flight Tests and platform integration testing. Continue integration of SDB II with Command and Control Infrastructure, including AOC integration and JTAC kits. Continue technical order updates to support ongoing OFP development efforts. Continue BRU-61 OFP updates and integration. Conduct trade studies and concept development for technology refresh redesigns as required based on obsolescence forecasts. FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Increase in System Improvement Program (SIP) to advance capability of the weapon and transition program to a steady OFP update cycle. Developmental test assets to support developmental test and conduct developmental Captive Flight Tests (CFT). Incease in Lot Integration & Testing (LIT) contract increase for CFT Medium/High Complexity testing events.						
Title: SDB II M-Code Description: M-Code provides an enhanced anti-jam capability and secures access to military GPS signals. Activities include, but are not limited to design, development, test and qualification of engineering changes to the SDB II system required for M-Code and enhanced anti-jam capability. M-Code will provide the ability to operate in increasing adversarial Anti-Access/Area-Denial (A2/AD) jamming environments with increased accuracy, better signal acquisition, and enhanced security features. FY 2025 Plans:		23.743	9.175	0.000	0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Complete activities to provide SDB II with M-Code capabilities for improved anti-jam and secure access to military GPS signals. Complete test and qualification activities for M-Code receiver and complete associated component integration. Complete M-Code receiver-level qualification, including security certification. Conduct production readiness activities at the receiver level. Complete building section level and All Up Round (AUR) developmental test assets and conduct section level design verification testing as well as All Up Round testing and qualification. Update mission planning and threshold aircraft OFP software to ensure aircraft-to-weapon integration and transmission of the appropriate M-Code initialization data and crypto keys. Implement engineering change proposals required by GPS Directorate to comply with signal-in-space interface control documents, key management distribution and security requirements. Build additional AUR-level builds in support of flight qualification. FY 2026 Base Plans: N/A - Completed in FY2025 FY 2026 OOC Plans: N/A FY 2025 to FY 2026 Increase/Decrease Statement: Decrease; is due to the completion of the design, development, test and qualification of engineering changes to the SDB II system required for M-Code and enhanced anti-jam capability (Congressionally Mandated)						
Accomplishments/Planned Programs Subtotals		39.860	29.910	24.810	0.000	24.810
		FY 2024	FY 2025			
Congressional Add: Precise Navigation		3.000	0.000			
FY 2024 Accomplishments: Continuation of congressionally added Precise Navigation Research and Development.						
FY 2025 Plans: N/A						
Congressional Adds Subtotals		3.000	0.000			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force									Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)					
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
• MPAF 02 Line Item SDB002: Small Diameter Bomb II	291.553	328.382	241.823	-	241.823	-	-	-	-	-	-
• RDTE 05 PE 0604329N: Small Diameter Bomb II	50.280	19.744	9.019	-	9.019	-	-	-	-	-	-
• WPN Line Item 223800: Small Diameter Bomb II	63.035	76.108	86.738	-	86.738	-	-	-	-	-	-
Remarks DoN RDT&E funds include F-35B and F-35C Integration and Support Cost.											
E. Acquisition Strategy The SDB II Engineering and Manufacturing Development (EMD) contract was awarded using competitive procedures. At the completion of the 42-month Risk Reduction phase in October 2009, one contractor was selected in April 2010 and awarded the EMD contract in August 2010. The EMD contract is a Fixed-Price Incentive Firm (FPIF) contract with priced production options for the first five production lots. SDB II production Lots 1-3 are FPIF. Production Lots 4-9 are firm fixed price. The Government is buying the SDB II based on the contractor System Performance Specification (SPS) which has been approved by the Government. The contractor is accountable for system performance as defined in the SPS and a system warranty as defined in the EMD contract and follow-on production contracts. Accordingly, the contractor is accountable to the Government for the design of the weapon system, as well as the planning and execution of the Development Test and Evaluation (DT&E) program to verify system performance. The Government formally arranges and funds the use of Government flight test support for DT&E and OT&E. In September 2017, the Government awarded a sole source indefinite delivery indefinite quantity (IDIQ) contract to Raytheon Missile Systems to design, develop, integrate, model, test, and qualify engineering changes to SDB II baseline hardware and software to meet emerging threats and to maintain compatibility with external systems. Activities include, but are not limited to M-Code GPS, data link cryptographic modernization, program protection, exportability features, cyber security, advanced guidance, navigation and control, enhanced lethality, and address obsolescence issues and affordability opportunities.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207327F / Small Diameter Bomb (SDB)				Project (Number/Name) 675191 / SDB Increment II					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Changes & Technical Support	SS/ Various	Raytheon : Tucson, AZ	-	8.659	Dec 2023	9.070	Dec 2024	11.861	Dec 2025	-		11.861	-	-	136.520
M-Code Integration	SS/ Various	Raytheon : Tucson, AZ	-	23.743	Dec 2023	9.175	Oct 2024	-		-		-	-	-	109.437
Precision Navigation	Various	Not specified. : TBD	-	2.890	Mar 2025	-		-		-		-	-	-	-
F-15E Integration & Test Support	SS/ Various	Boeing : St. Louis, MO	-	1.869	Dec 2023	6.387	Dec 2024	7.402	Dec 2025	-		7.402	-	-	-
Armament Common Radio (WEC)	SS/CPFF	ISSI : Huntsville, AL	-	3.716	Jun 2024	-		-		-		-	-	-	-
Subtotal			-	40.877		24.632		19.263		-		19.263	-	-	N/A
Remarks															
- M-Code Integration FY2024 to FY2025 Funding decrease reflects effort is ramping down and headed towards completion of Common Assured Architecture for Position Navigation and Tracing (PNT) (CAAP) M-Code Application Specific Integrated Circuit (ASIC) and receiver component level testing required for integration into the AUR, and purchase of M-Code test articles in FY23.															
*M-Code integration is required to meet the 2011 NDAA mandate. M-Code receiver and required electronics integration into AUR, testing and qualification for production cut-in are on-going through FY25.															
- F-15E Integration and Test Support FY2024 to FY2025 funding increase is due to the continued biannual weapon OFP updates and continuation of integration and testing of iECP into the AUR.															
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Network Enabled Weapon Training - Initial	MIPR	Various : Pax-River, MD	-	-		1.352	Mar 2025	-		-		-	-	-	-
Subtotal			-	-		1.352		-		-		-	-	-	N/A
Remarks															
Other Gov't Costs: Command & Control Infrastructure Integration subject matter expert (SME) support															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207327F / Small Diameter Bomb (SDB)				Project (Number/Name) 675191 / SDB Increment II					
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Test Support	Various	Various : Various	-	0.936	Mar 2024	2.931	Mar 2025	4.386	Mar 2026	-		4.386	-	-	11.896
Subtotal			-	0.936		2.931		4.386		-		4.386	-	-	N/A
Remarks															
UTTR: Utah Test and Training Range WSMR: White Sands Missile Range															
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Professional Administrative Support Services (EPASS)	Various	Various : Eglin AFB, FL	-	0.250	May 2024	0.100	May 2025	0.100	May 2026	-		0.100	-	-	25.508
Program Management Administration (PMA)	Various	Various : Eglin AFB, FL	-	0.079	Oct 2023	0.143	Oct 2024	0.116	Oct 2025	-		0.116	-	-	11.536
DCA Civ Pay	Allot	Allotment : Eglin AFB, FL	-	0.718	Oct 2023	0.752	Oct 2024	0.945	Oct 2025	-		0.945	-	-	-
Subtotal			-	1.047		0.995		1.161		-		1.161	-	-	N/A
Remarks															
PMA: Other government costs (travel, equipment supplies, and IT support)															
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	42.860		29.910		24.810		-		24.810	-	-	N/A
Remarks															
Engineering Changes: FY2025 to FY2026 increase includes upgrades to SDB II baseline hardware/software to meet emerging threats, maintain compatibility with external systems and improve system performance. Activities include, but are not limited to, data link cryptographic modernization, program protection, exportability, cyber security, advanced guidance, navigation and control, enhanced lethality, and address obsolescence issues and affordability opportunities.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force															Date: June 2025				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0207327F / Small Diameter Bomb (SDB)					675191 / SDB Increment II				

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
SDB Increment II																												
F-15E Integration & Test Support																												
M-Code Integration & Testing																												
Data Link Crypto Mod Integration & Testing																												
Integration & Testing on Threshold F-35 B/C																												
Precision Navigation																												
Lot Integration and Test																												
System Improvement Program																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207327F / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 675191 / <i>SDB Increment II</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>SDB Increment II</i>				
F-15E Integration & Test Support	1	2024	4	2030
M-Code Integration & Testing	1	2024	4	2025
Data Link Crypto Mod Integration & Testing	1	2024	4	2024
Integration & Testing on Threshold F-35 B/C	1	2024	3	2030
Precision Navigation	1	2024	4	2025
Lot Integration and Test	1	2024	4	2030
System Improvement Program	1	2024	4	2030

Note

The F-15E integration and test support will be on-going as new capabilities are developed and tested on the platform. This includes testing in the F-15 Richter Lab. This also includes any required F-15E testing as a result of hardware changes such as iECP in FY25-26.

The F-35 B/C testing is on going with the Navy/Marines Corps platforms.

Lot Integration and Test (LIT) will continue to be the contract vehicle that supports all testing across the program. This includes lab testing, captive flight testing, and through live fire testing. Additionally, engineering use guided test vehicles can be purchased through the LIT contract to support specialized testing requirements.

System Improvement Program (SIP) will be on-going through FY29+ as the program develops, tests and fields new capabilities for the weapon system. The program currently plans to release an Operational Flight Program (OFP) every other year that includes these capability upgrades.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force	Date: June 2025
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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 0207410F / Air & Space Operations Center (AOC)											
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
Total Program Element	0.000	69.798	65.102	113.086	0.000	113.086	-	-	-	-	-	-
674596: <i>AOC WS Modifications</i>	0.000	69.798	65.102	94.188	0.000	94.188	-	-	-	-	-	-
674597: <i>Kessel Run Flight Operations</i>	0.000	0.000	0.000	18.898	0.000	18.898	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Air and Space Operations Center Weapon System (AOC WS) program element provides software engineering of Command and Control (C2) capabilities across the entire spectrum of air and space operations from the strategic to the tactical level.

AOC WS Modifications allows for the consolidation of many C2 systems across the AOC enterprise to a single baseline to enable the capability, scalability, security, resiliently, and interoperability required to support Major Theater War. AOC WS modifications are also required to remain interoperable, certified, supportable, and compliant through software engineering solutions, integration, testing, fielding, and sustainment of new capabilities and upgrades. This includes utilization of agile software engineering methodologies and managed cloud infrastructure and platform services. Modifications are required for the AOC WS to keep pace with evolving Government Off the Shelf (GOTS) components, integrated Commercial Off the Shelf (COTS) components, DoD directives, changes in the underlying Information Technology (IT) environment, as well as to deliver effective operational capabilities for the user.

The Flight Operations (Flight Ops) Program continues to develop and support software-based capabilities that optimize unit resource allocation to maximize the value of each mission or sortie and increase total force readiness. It combines scheduling, training, and standardizations/evaluations applications to support Air Mobility Command and Air Combat Command sorties, and U.S. Space Force scheduling. Funding supports the integration of existing Puckboard and Patriot Excalibur (PEX) products to provide a modernized user interface, resilient architecture, and full spectrum of needed capabilities for scheduling. The program also drives efficiencies in development, integration, sustainment, and management, and provides mission ready forces to meet global wartime and peacetime operations taskings.

Efforts within this program element align with USAF investment in Mission Planning Systems (0208006F), All Domain Common Platform(0303248F), C2IMERA (0305015F/0305836F) and ABMS (0604003F) to deliver the Theater Air Planning System of Systems (TAP-SoS) architecture for the DAF BATTLE NETWORK.

The FY 2026 request was reduced by -\$1.640 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 may include necessary civilian pay expenses required to manage, execute, and deliver AOC WS capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024 19.800 million was expended for civilian pay expenses in this program element, and in FY 2025 18.287 million is forecasted for civilian pay expenses in this program element.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2026 Air Force			Date: June 2025		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207410F I Air & Space Operations Center (AOC)			
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 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Previous President's Budget	72.059	71.442	96.738	0.000	96.738
Current President's Budget	69.798	65.102	113.086	0.000	113.086
Total Adjustments	-2.261	-6.340	16.348	0.000	16.348
• 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	-2.261	0.000			
• Other Adjustments	0.000	-6.340	16.348	0.000	16.348
Change Summary Explanation					
The FY 2026 funding request increased due to Flight Ops transferring into PE 0207410F. See project 674597 within this PE for more details.					

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674596 / AOC WS Modifications			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674596: AOC WS Modifications	0.000	69.798	65.102	94.188	0.000	94.188	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the Air Operations Center Weapon System (AOC WS), AN/USQ-163 Falconer, the senior element of the Theater Air Control System (TACS). This is the weapon system that the Commander, Air Force Forces (COMAFFOR) provides the Combined/Joint Force Air Component Commander (C/JFACC) for planning, executing, and assessing theater-wide air and space operations. The C/JFACC provides air, space and cyber support to the Combined/Joint Forces Commander (C/JFC) by coordinating, deconflicting, and assessing the progress of various weapon systems to advance the C/JFC's campaign. The AOC WS develops operations strategy and planning documents. The weapon system also disseminates tasking orders, executes day-to-day peacetime and combat air, space and cyber operations, and provides rapid reaction to immediate situations by exercising positive control of friendly forces. This program 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.

Funding supports continued software engineering capacity required for AOC WS Modifications to support and enable the transition from legacy systems (e.g., Theater Battle Management Core System - Force Level (TBMCS FL) and AOC 10.1) to Block 20 modernized capabilities. Additionally, funding supports IaaS/PaaS development and operations specific to the AOC program. AOC WS Modifications are required to support mission requirements at geographic AOCs, global (formerly functional) AOCs, and support and manpower augmentation units, and to keep the AOC current and interoperable with the Combatant Commands (CCMDs), cyber requirements, and next generation weapon systems/weapons. Funding also provides software engineering capacity to deliver air operations capabilities improving speed and automation of the full air tasking cycle, including integration with unit-level sortie generation capabilities that feed friendly order of battle (FrOB) information to the Master Air Attack Plan process. AOC WS Modifications modernize the AOC utilizing agile methodologies to deliver capabilities that keep pace with evolving commercial and government off the shelf (COTS/GOTS) software components, DoD directives, operational energy security and efficiency objectives, and changes in the underlying IT environment. Additionally, the modernization ensure the AOC WS remains interoperable, certified, and supportable across the lifecycle of new capabilities and upgrades. This includes utilization of a managed cloud IaaS/PaaS hosting platform.

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 elements 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024, \$19.794M was expended for civilian pay expenses in this program element, and in FY 2025, \$18.181M is forecasted for civilian pay expenses in this program element.

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

	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: AOC WS Modifications Development	69.798	65.102	94.188	-	94.188

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674596 / AOC WS Modifications				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>Description: Plan and execute strategies to deliver war fighting outcomes by leveraging commercial best practices for agile software development, scale a modern infrastructure and platform as a service (IaaS/PaaS) solution to the AOC Weapon System (WS) enterprise, implement improved solutions for platform architecture and continuous integration/continuous delivery (CI/CD) pipeline, enable objectives that support operational energy and security efficiencies and maintain continuous authority to operate (ATO). Conduct software engineering solutions by leveraging agile engineering methodologies to engineer, integrate, and test modifications. Improve speed and automation of the full air tasking cycle to include integration between operational-level and unit-level sortie generation capabilities of the AOC WS leveraging test-driven development. Utilize CI/CD processes to provide engineering solutions, test, and deliver enhanced operational command and control (C2) capabilities including support of multidomain operations.</p> <p>FY 2025 Plans:</p> <p>-Improved the Kessel Run All Domain Operations Suite (KRADOS) in operational use, rearchitected the back end and services to improve system performance and scale across the AOC enterprise.</p> <p>-Transitioned AOC users from legacy applications/systems such as Theater Battle Management Core System - Force Level (TBMCS FL) and AOC 10.1 baseline to AOC Weapon System (WS) Block 20 modernized capabilities.</p> <p>-Leveraged software engineering capacity to align with FY 2025 Capability Needs Statement & Software Initial Capabilities Document priorities, which included achieving KRADOS multi-tenancy across the AOC enterprise; expanding access to mission partners to support Denied, Disrupted, Intermittent, and Limited bandwidth scenarios; achieving KRADOS Major Theater War capabilities/capacity across the AOC enterprise; conducting functional AOC, Joint and Mission Partner Assessments; completing the transition from a hybrid cloud to fully leverage a commercial cloud service provider; preparing to conduct Operational Test and Evaluation to declare KRADOS fully operationally capable; and continuing investment in Dynamic Targeting and streamlined workflows.</p> <p>-Delivered initial KRADOS integrations to align with Theater Air Planning System of Systems (TAP-SoS) architecture priorities to enable Dynamic Mission Replanning and support data sharing/interoperability between functional and regional AOCs.</p> <p>-Optimized for operational energy (aviation fuel) use and increased combat capability through operations software development.</p> <p>-Enabled the development and scaling of an extensible cloud-based infrastructure and platform as a service (IaaS/PaaS) hosting platform/enterprise architecture along with the necessary services to support continuous</p>							

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674596 / AOC WS Modifications				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>software capability integration. Deployed KRADOS on commercial IaaS Impact Level 6 (IL-6) environment across multiple AOCs to align with Air Battle Management System (ABMS) digital infrastructure and the DAF BATTLE NETWORK.</p> <p>-Improved the speed and automation of the full air tasking cycle to include integration between operational-level and unit-level sortie generation capabilities that fed friendly order of battle information to the Master Air Attack Plan.</p> <p>FY 2026 Base Plans:</p> <p>-Will accelerate interoperability with Joint mission partners by preparing for USN CANES Surface Environment testing and USN adoption, enabling KRADOS interoperability with USMC and implementing KRADOS integrations with Army BCD.</p> <p>-Will initiate advanced Major Theater War (MTW) interoperability with coalition partners by beginning coordination of C2 analysis/roadmap alignment of modernized systems and cloud interoperability with FVEY nations.</p> <p>-Will deliver AppTX to the AOC enterprise as the cloud-based AOC WS to add flexibility and resiliency to operational C2 by supporting distributed operations, maturing PACE planning, increasing real-time system monitoring and streamlining capability delivery.</p> <p>-Will implement commercial and DoD common data layers (CDLs) to eliminate manual transfer of data, eliminate labor-intensive logic workflows and build data foundation to take advantage of artificial intelligence (AI); enable modernized Dynamic Targeting (DT) through accelerating the collection and analysis of data in periphery systems; leveraging a common operating picture (COP) for global situational awareness between commands.</p> <p>-Will establish the AOC enterprise dedicated experimentation platform enabling rapid onboarding and technical validation of systems to quickly determine their ability to meet warfighter outcomes and enable decision advantage.</p> <p>-Will accelerate the Air Tasking Cycle (ATC) by integrating C2 systems that drive MAAP automation and rapidly integrate data sources to enable dynamic mission replanning (DMR).</p> <p>-Will provide a robust 24x7x365 operational support framework for KRADOS, encompassing proactive monitoring, incident response, performance tuning, and preventative maintenance, guaranteeing enterprise-grade reliability, scalability, and security as it integrates across the AOC infrastructure.</p> <p>-Will continue to leverage software engineering capacity to align with FY 2026 strategic roadmap & software initial capabilities document priorities, which includes expanding access to mission partners to support Denied, Disrupted, Intermittent, and Limited bandwidth scenarios; achieving KRADOS Major Theater War capabilities/capacity across the AOC enterprise; conducting functional AOC, Joint and mission partner assessments;</p>							

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force			Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)	Project (Number/Name) 674596 / AOC WS Modifications	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
<p>defining architecture and deployment of; to conduct operational test and evaluation (OT&E) to declare KRADOS fully operationally capable; and continuing investment in dynamic targeting and streamlined workflows.</p> <p>-Will continue the transition from legacy applications/systems such as TBMCS FL and AOC 10.1 baseline to AOC WS Block 20 modernized capabilities.</p> <p>-Will continue to deliver KRADOS integrations in alignment with Theater Air Planning System of Systems (TAP-SoS) and DAF BATTLE NETWORK priorities to improve dynamic mission replanning, eliminate manual data transfers between KRADOS and tactical systems, and deploy enhanced decision-making capabilities along with Master Air Attack Plan (MAAP) automation.</p> <p>-Will continue to align with DAF BATTLE NETWORK and Air Battle Management System (ABMS) digital infrastructure to enable development and scaling of an extensible cloud-based IaaS/PaaS hosting platform/enterprise architecture along with the necessary services to support continuous software capability integration and delivery.</p> <p><i>FY 2025 to FY 2026 Increase/Decrease Statement:</i></p> <p>Funding increased due to a planned funding ramp that provides operational test and evaluation (OT&E) in FY 2026, post-OT&E fielding of the modernized KRADOS capability across the AOC enterprise, and the required increased in support of the Major Theater War capability post fielding. FY 2026 funding supports a substantial scaling and proliferation of this modernized MTW weapon system across all 21 AOC sites in the global enterprise. Additionally, increased funding enables support to Joint community analysis of KRADOS adoption, increased requirements for the Block 20 help desk and increased requirements for Application Transformation, hosting, and deployment of Block 10.1 systems on cloud environment and the development of dynamic mission replanning, real-time friendly order of battle (FrOB), MAAP automation, and net enabled weapons capabilities in KRADOS. This substantial scaling is required before the legacy AOC system can be deprecated.</p>					
Accomplishments/Planned Programs Subtotals	69.798	65.102	94.188	-	94.188

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026 Base</u>	<u>FY 2026 OOC</u>	<u>FY 2026 Total</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834530: Air & Space Operations Center (AOC)	4.609	20.664	22.408	-	22.408	-	-	-	-	-	-
• OPAF 03 833140: Strategic Command And Control	9.991	5.431	1.861	-	1.861	-	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674596 / AOC WS Modifications			
C. Other Program Funding Summary (\$ in Millions)											
			FY 2026	FY 2026	FY 2026					Cost To	
Line Item	FY 2024	FY 2025	Base	OOO	Total	FY 2027	FY 2028	FY 2029	FY 2030	Complete	Total Cost
• RDTE 07 0303248F: All Domain Common Platform	71.296	82.927	79.294	-	79.294	-	-	-	-	-	-
Remarks											
D. Acquisition Strategy											
<p>The acquisition strategy builds on agile software engineering solutions and modification of existing capabilities using an evolutionary acquisition approach to standardize and modify the AOC Weapon System (WS). The initial capability was AOC WS increment 10.0, which fielded the 10.0 configuration to five operational sites, plus a help desk and a formal training unit. The second increment, increment 10.1, upgraded these locations to an integrated baseline and fielded the baseline to additional operational and reserve units worldwide. AOC WS modifications will leverage commercial best practices of agile development and operations (DevOps) to scale out a modern virtual private cloud to the AOCs and scale up additional software product teams in support of retiring Theater Battle Management Core System - Force Level (TBMCS FL) and other legacy mission critical applications allowing for eventual disposal of the AOC 10.1 infrastructure. This enables dynamic resource allocation based on current warfighter needs. AOC operates under authority FY 2020 NDAA, Section 800, Software Acquisition Pathway.</p> <p>AOC WS modifications will leverage a modular contracting strategy that focuses on evolving needs, continuous market research and streamlined solicitation procedures. AOC WS modifications leverages both small and large business contracts for specialized services and enterprise AOC support to adopt commercial best practices for software development and to scale out a modern infrastructure and platform as a service (IaaS/PaaS) solution. Activities are also accomplished via military interdepartmental purchase requests (MIPR). Additionally, significant technical expertise will be sought after via modular contracting approach and provided by government agencies, DoD laboratories, Federally Funded Research and Development Centers (FFRDC), academia, and engineering & professional acquisition support services contractors as well as commercial industry partners.</p> <p>Program management for the AOC program 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 the AOC program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.</p>											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)				Project (Number/Name) 674596 / AOC WS Modifications					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Development	C/Various	Various : Multiple	-	38.725	Nov 2023	33.703	Nov 2024	64.044	Nov 2025	-		64.044	-	-	-
Subtotal			-	38.725		33.703		64.044		-		64.044	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Direct Mission Support	C/Various	Various : Various	-	2.446	Oct 2023	4.280	Oct 2024	4.872	Oct 2025	-		4.872	-	-	-
AOC WS Modifications Civilian Direct Cite Authorizations for Product Development	Allot	AFLCMC/FZA : TBD	-	19.794	Oct 2023	18.181	Oct 2024	16.613	Oct 2025	-		16.613	-	-	-
Subtotal			-	22.240		22.461		21.485		-		21.485	-	-	N/A
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Engineering Services	Various	Various : Various	-	2.608	Oct 2023	2.982	Oct 2024	3.000	Oct 2025	-		3.000	-	-	-
AOC WS Modifications Program Support	C/Various	Various : Various	-	6.225	Oct 2023	5.956	Oct 2024	5.659	Oct 2025	-		5.659	-	-	-
Subtotal			-	8.833		8.938		8.659		-		8.659	-	-	N/A
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	69.798		65.102		94.188		-		94.188	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force										Date: June 2025																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)										Project (Number/Name) 674596 / AOC WS Modifications									

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
AOC WS Modifications																												
Continuous AOC Block 20 Deliveries																												
Major Theater War (Development & Test)																												
Major Theater War (Integrate & Scale)																												
Multi-Tenancy																												
Joint Planning																												
Dynamic Targeting																												
Master Air Attack Planning Optimization																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force			Date: June 2025	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)		Project (Number/Name) 674596 / AOC WS Modifications

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
AOC WS Modifications				
Continuous AOC Block 20 Deliveries	1	2024	4	2030
Major Theater War (Development & Test)	1	2024	4	2026
Major Theater War (Integrate & Scale)	1	2026	2	2027
Multi-Tenancy	1	2024	2	2025
Joint Planning	1	2024	3	2025
Dynamic Targeting	1	2024	2	2026
Master Air Attack Planning Optimization	1	2025	2	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force										Date: June 2025		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674597 / Kessel Run Flight Operations			
COST (\$ in Millions)	Prior Years	FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total	FY 2027	FY 2028	FY 2029	FY 2030	Cost To Complete	Total Cost
674597: Kessel Run Flight Operations	0.000	0.000	0.000	18.898	0.000	18.898	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Flight Operations (Ops) project modernizes aerospace combat readiness management to enhance Air Force mission readiness. This budget line funds the development of Flight Ops' combat readiness management solution that provides scheduling, records management, standardization and evaluation, and resource allocation for aircrews and other operational units.

Funding supports the continued development and sustainment of legacy systems, e.g., Puckboard, PEX, and G/TIMS, and integration into a unified DAF enterprise system. The project leverages best practices and user feedback from existing systems, both within and outside Government, to optimize resource allocation, sortie value, resource efficiency, and total force readiness.

The Flight Ops system can:

- Optimize unit resource allocation
- Maximize sortie value
- Optimize fuel use
- Increase total force readiness to maximize wing lethality

The system offers real-time visibility into aircraft and aircrew 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. Flight Ops will deliver a unified, modernized, and resilient command and control capability that is integrated with the DAF BATTLE NETWORK.

Flight Ops will ultimately enhance the Department of Air Force's ability to deliver mission-ready forces to meet global wartime and peacetime operations, while ensuring compliance with DoD directives, cybersecurity mandates, and National Defense Strategy priorities.

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 elements 0605829F, 0605831F, 0605833F, or 0605898F. In FY 2024, 19.800M was expended for civilian pay expenses in this program element, and in FY 2025, 18.287M is forecasted for civilian pay expenses in this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force				Date: June 2025		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)		Project (Number/Name) 674597 / Kessel Run Flight Operations		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2024	FY 2025	FY 2026 Base	FY 2026 OOC	FY 2026 Total
Title: Flight Operations		0.000	0.000	18.898	0.000	18.898
Description: Plan and execute strategies to deliver war fighting outcomes by leveraging commercial best practices for agile software development, scale a modern Platform as a Service (PaaS) or Software as a Service (SaaS) solution to the enterprise, implement improved solutions for platform architecture and continuous integration and continuous delivery (CI/CD) pipeline, enable objectives that support operational energy and security efficiencies and maintain continuous authorization to operate (cATO). Combine legacy and modern systems aimed at providing unit-level software to conduct accurate resource management, providing validated, ready personnel and assets meeting operational tasks, contingency operations and training missions. Utilize CI/CD processes to provide engineering solutions, test, and deliver enhanced operational capabilities including support of multi-domain operations.						
FY 2025 Plans: For FY 2025 plans, refer to PE 0604860F (project "Puckboard" or "Aircraft Refueling Optimization")						
FY 2026 Base Plans: - Will continue to combine/integrate multiple flight operations management programs to drive efficiencies in development, sustainment and management. - Will continue to support mandated stan/eval use for aircrew to ensure accountability and readiness to meet mission requirements. - Will continue to provide mission-ready forces to meet air tasking orders (ATO) for global wartime and peacetime operations.						
FY 2026 OOC Plans: None						
FY 2025 to FY 2026 Increase/Decrease Statement: In FY 2026, PE 0604860F, (Operational Energy and Installation Resilience), Project 644861, (Operational Energy, project name "Puckboard" or "Aircraft Refueling Operations") efforts were transferred to PE 0207410F, (Air & Space Operations Center), Project 674587, (Kessel Run Flight Operations), in order to integrate development within the DAF Battle Network's Theater Air Planning System of Systems. 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 (PEX).						
Accomplishments/Planned Programs Subtotals		0.000	0.000	18.898	0.000	18.898

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Exhibit R-2A, RDT&E Project Justification: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674597 / Kessel Run Flight Operations
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks This funding line continues existing and ongoing work transferred from PE 0604860F to increase transparency in a standalone funding line. See "Increase/Decrease" statement for details.		
D. Acquisition Strategy The acquisition strategy plans, executes, and delivers war fighting outcomes by leveraging commercial best practices for agile software development and integration. Program management for the Flight Ops program is under direction of Program Executive Office (PEO) Command, Control, & Communications Battle Management (C3BM). The Air Force Life Cycle Management Center (AFLCMC) located at Hanscom AFB, MA is the contracting authority for the Flight Ops program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674597 / Kessel Run Flight Operations					
Product Development (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Puckboard Development	C/FFP	Intellibridge : McLean, VA	-	-		-		8.324	Oct 2025	-		8.324	-	-	-
Flight Operations Development	TBD	Not specified. : TBD	-	-		-		3.049	Jul 2026	-		3.049	-	-	-
Subtotal			-	-		-		11.373		-		11.373	-	-	N/A
Support (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Federally Funded Research & Development Center (FFRDC) Engineers	C/CPFF	MIT Lincoln Labs : Hanscom AFB, MA	-	-		-		1.225	Oct 2025	-		1.225	-	-	-
Advisory and Assistance Services (A&AS)	C/CPFF	Odyssey : Boston, MA	-	-		-		3.644	May 2026	-		3.644	-	-	-
Subtotal			-	-		-		4.869		-		4.869	-	-	N/A
Test and Evaluation (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	96th Test Wing : Eglin AFB, FL	-	-		-		0.148	Jan 2026	-		0.148	-	-	-
Subtotal			-	-		-		0.148		-		0.148	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2026 Air Force												Date: June 2025					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)						Project (Number/Name) 674597 / Kessel Run Flight Operations					
Management Services (\$ in Millions)				FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Decisive Mission Actions and Technology Services (DMATS)	MIPR	GSA : Boston, MA	-	-		-		0.524	Jul 2026	-		0.524	-	-	-		
Program Office Support	Various	Program Management Office : Various	-	-		-		1.984	Oct 2025	-		1.984	-	-	-		
Subtotal			-	-		-		2.508		-		2.508	-	-	N/A		
			Prior Years	FY 2024		FY 2025		FY 2026 Base		FY 2026 OOC		FY 2026 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	-		-		18.898		-		18.898	-	-	N/A		
Remarks																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2026 Air Force												Date: June 2025					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)						Project (Number/Name) 674597 / Kessel Run Flight Operations			

	FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030			
	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
Flight Operations																												
Software Development																												
Test and Evaluation																												
Engineering																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2026 Air Force		Date: June 2025
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)	Project (Number/Name) 674597 / Kessel Run Flight Operations

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Flight Operations</i>				
Software Development	1	2026	4	2030
Test and Evaluation	2	2026	1	2030
Engineering	1	2026	4	2030

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