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

April 2026



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 2027 • RDT&E Program

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

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

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

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

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

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18	0603199F	Sustainment Science and Technology (S&T)	03	5,358	27,791		27,791	13,277		13,277
19	0603203F	Advanced Aerospace Sensors	03	35,088	69,098		69,098	72,149		72,149
20	0603211F	Aerospace Technology Dev/Demo	03	75,627	264,439		264,439	260,212		260,212
21	0603270F	Electronic Combat Technology	03	34,654						
22	0603273F	Science & Technology for Nuclear Re-entry Systems	03	85,661	141,569		141,569	165,949		165,949
23	0603456F	Human Effectiveness Advanced Technology Development	03	13,549	19,549		19,549	20,338		20,338
24	0603601F	Conventional Weapons Technology	03	117,877	98,569		98,569	131,397		131,397
25	0603605F	Advanced Weapons Technology	03	27,161	16,783		16,783	13,744		13,744
26	0603680F	Manufacturing Technology Program	03	118,087	342,507		342,507	99,908		99,908
27	0603788F	Battlespace Knowledge Development and Demonstration	03	53,512	32,411		32,411	31,938		31,938
28	0604776F	Deployment & Distribution Enterprise R&D	03	19,325	30,263		30,263	29,109		29,109
29	0207412F	Control and Reporting Center (CRC)	03	1,938						
	Advanced technology development			768,515	1,343,751		1,343,751	1,152,833		1,152,833
30	0603036F	Modular Advanced Missile	04					15,099		15,099
31	0603260F	Intelligence Advanced Development	04	3,820	3,901		3,901	4,012		4,012
32	0603677F	In-Transit Visibility (ITV) Modernization	04		10,000		10,000			
33	0603742F	Combat Identification Technology	04	16,790	24,860		24,860	25,888		25,888
34	0603790F	NATO Research and Development	04	2,214	4,532		4,532	2,320		2,320
35	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	106,040	117,120		117,120	72,112		72,112
36	0604001F	NC3 Advanced Concepts	04	5,283	10,762		10,762	14,394		14,394

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37	0604003F	Advanced Battle Management System (ABMS)	04	595,537	870,876		870,876	1,040,945		1,040,945
38	0604004F	Advanced Engine Development	04	96,470	25,000		25,000			
39	0604005F	NC3 Commercial Development & Prototyping	04	50,702	66,249		66,249	61,355		61,355
40	0604007F	E-7	04	586,729	1,097,263		1,097,263			
41	0604009F	AFWERX	04	62,123	73,499		73,499	3,589		3,589
42	0604010F	Next Generation Adaptive Propulsion	04	489,737	326,010		326,010	513,681		513,681
43	0604015F	Long Range Strike - Bomber	04	2,565,533	2,729,511		2,729,511	2,862,677		2,862,677
44	0604025F	Rapid Defense Experimentation Reserve (RDER)	04	72,448						
45	0604032F	Directed Energy Prototyping	04	1,312						
46	0604033F	Hypersonics Prototyping	04			133,334	133,334	345,769		345,769
47	0604041F	Family of Affordable Mass Missiles (FAMM)	04			285,000	285,000	525,223	51,000	576,223
48	0604060F	NORAD & USNORTHCOM (N&NC) Experimentation	04					39,257		39,257
49	0604183F	Hypersonics Prototyping - Hypersonic Attack Cruise Missile (HACM)	04	452,800	828,075		828,075	806,142		806,142
50	0604257F	Advanced Technology and Sensors	04	15,865	40,779		40,779	38,756		38,756
51	0604288F	Survivable Airborne Operations Center (SAOC)	04	1,559,133						
52	0604317F	Technology Transfer	04	10,151	37,529		37,529	2,196		2,196
53	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	120,184	142,661	154,000	296,661	186,385		186,385
54	0604336F	Nuclear Delivery Systems Prototyping	04	37,709	42,538		42,538	91,550		91,550
55	0604343F	Advanced Tanker Systems	04					13,036		13,036

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56	0604414F	Cyber Resiliency of Weapon Systems-ACS	04	44,191	45,642		45,642	44,377		44,377
57	0604609F	Requirements Analysis & Concept Maturation	04	12,230	17,264		17,264	57,575		57,575
58	0604668F	Joint Transportation Management System (JTMS)	04	71,552	124,787		124,787	57,802		57,802
59	0604776F	Deployment & Distribution Enterprise R&D	04	4,840	4,996		4,996	5,136		5,136
60	0604858F	Tech Transition Program	04	246,279	159,756	296,000	455,756	166,061		166,061
61	0604860F	Operational Energy and Installation Resilience	04	24,597	81,419	102,000	183,419	61,000		61,000
62	0605057F	Next Generation Air-refueling System	04	6,891	11,874		11,874			
63	0605164F	Air Refueling Capability Modernization	04	13,600						
64	0606004F	Nuclear Enterprise Research & Development	04		94,782		94,782	1,105		1,105
65	0606005F	Digital Transformation Office	04	19,227	73,478		73,478	183,398		183,398
66	0207110F	F-47	04	2,341,899						
67	0207147F	Collaborative Combat Aircraft	04	688,492	150,574	676,750	827,324	1,373,740		1,373,740
68	0207179F	Autonomous Collaborative Platforms	04	48,983	63,471		63,471	57,217		57,217
69	0207420F	Combat Identification	04	1,844	1,689		1,689	1,692		1,692
70	0207448F	C2ISR Tactical Data Link	04	3,383						
71	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	7,809	12,677		12,677	22,335		22,335
72	0207522F	Airbase Air Defense Systems (ABADS)	04	19,273	15,666		15,666	85,305		85,305
73	0207606F	Joint Simulation Environment (JSE)	04	147,368	247,491		247,491	302,801		302,801
74	0208030F	War Reserve Materiel - Ammunition	04	5,042	9,732		9,732	14,663		14,663

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75	0302060F	Looking Glass Next	04					65,277		65,277
76	0303010F	AF ISR Digital Infrastructure	04	18,733	21,711		21,711	24,455		24,455
77	0305236F	Common Data Link Executive Agent (CDL EA)	04	33,349	32,511		32,511	26,401		26,401
78	0305601F	Mission Partner Environments	04	17,765	36,755		36,755			
79	0305913F	Persistent Surveillance	04					29,325		29,325
80	0701200F	Enterprise Select Class II	04		986		986	949		949
81	0708051F	Rapid Sustainment Modernization (RSM)	04	48,361	45,918		45,918	27,475		27,475
82	0808736F	Special Victim Accountability and Investigation	04	3,023	1,970		1,970	1,652		1,652
83	0808737F	Integrated Primary Prevention	04	5,041	5,096		5,096	4,271		4,271
84	0901410F	Contracting Information Technology System	04	28,088	28,876		28,876	25,815		25,815
85	1206415F	U.S. Space Command Research and Development Support	04	23,553	33,205		33,205	34,719		34,719
	Advanced component development and prototypes			10,735,993	7,773,491	1,647,084	9,420,575	9,338,932	51,000	9,389,932
86	0604200F	Future Advanced Weapon Analysis & Programs	05	8,290	52,398	80,000	132,398	35,142		35,142
87	0604201F	PNT Resiliency, Mods, and Improvements	05	224,017	124,199		124,199	710,780		710,780
88	0604222F	Nuclear Weapons Support	05	68,377	78,326		78,326	86,921		86,921
89	0604270F	Electronic Warfare Development	05	13,648	18,971		18,971	260,233		260,233
90	0604281F	Tactical Data Networks Enterprise	05	76,188	76,418		76,418	110,151		110,151
91	0604287F	Physical Security Equipment	05	7,720	15,005		15,005	8,743		8,743
92	0604288F	Survivable Airborne Operations Center (SAOC)	05		1,801,293	64,500	1,865,793	2,218,921		2,218,921
93	0604602F	Armament/Ordnance Development	05	5,304	7,174		7,174	96,762		96,762

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

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

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

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

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

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136	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	94,828	199,363		199,363	367,369		367,369
137	0605978F	Facilities Sustainment - Test and Evaluation Support	06	63,579	91,969		91,969	298,924		298,924
138	0606017F	Requirements Analysis and Maturation	06	30,774	45,786		45,786	21,678		21,678
139	0606398F	Management HQ - T&E	06	8,081	7,417		7,417	7,507		7,507
140	0208201F	Offensive small Unmanned Aircraft Systems (sUAS)	06		4,917	12,000	16,917	30,187		30,187
141	0303255F	Command, Control, Communication, and Computers (C4) - STRATCOM	06	38,161	61,447		61,447	18,068		18,068
142	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	104,232	115,119		115,119	80,342		80,342
143	0702806F	Acquisition and Management Support	06	19,823	25,359		25,359	12,132		12,132
144	0804776F	Advanced Distributed Learning	06	797	1,675		1,675	238		238
145	0901215F	Productivity Investments	06					4,017		4,017
146	0909999F	Financing for Cancelled Account Adjustments	06	787						
147	1001004F	International Activities	06	4,098	4,368		4,368	4,514		4,514
	Management support			4,372,403	3,879,251	12,000	3,891,251	4,949,403		4,949,403
148	0604222F	Nuclear Weapons Support	07					10,029		10,029
149	0604233F	Specialized Undergraduate Flight Training	07	29,132	56,373		56,373	22,071		22,071
150	0604283F	Battle Mgmt Com & Ctrl Sensor Development	07	66,717	47,298		47,298	44,187		44,187
151	0604445F	Wide Area Surveillance	07	20,722						
152	0604840F	F-35 C2D2	07	1,099,328	960,621		960,621	1,128,748	939,586	2,068,334
153	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	48,523	63,172		63,172	31,777		31,777

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154	0605024F	Anti-Tamper Technology Executive Agency	07	65,434	62,803		62,803	130,610		130,610
155	0605117F	Foreign Materiel Acquisition and Exploitation	07	123,775				4,676		4,676
156	0605229F	HH-60W	07	31,646	40,474		40,474	87,881		87,881
157	0605278F	HC/MC-130 Recap RDT&E	07	43,597	77,079		77,079	34,932		34,932
158	0606018F	NC3 Integration	07	21,289	39,599		39,599	36,521		36,521
159	0101113F	B-52 Squadrons	07	1,019,125	888,158		888,158	1,478,648	101,100	1,579,748
160	0101122F	Air-Launched Cruise Missile (ALCM)	07	527	555		555	570		570
161	0101126F	B-1B Squadrons	07	17,316	150,566		150,566	273,552		273,552
162	0101127F	B-2 Squadrons	07	44,020	72,351		72,351	418,178		418,178
163	0101213F	Minuteman Squadrons	07	57,201	69,110		69,110	79,313		79,313
164	0101316F	Worldwide Joint Strategic Communications	07	13,268	13,364		13,364	44,424		44,424
165	0101318F	Service Support to STRATCOM - Global Strike	07	7,062	6,833		6,833	56,203		56,203
166	0101328F	ICBM Reentry Vehicles	07	378,983	256,758	100,000	356,758	733,182		733,182
168	0102110F	MH-139A	07	14,679	5,900		5,900	7,046		7,046
169	0102326F	Region/Sector Operation Control Center Modernization Program	07	839	722		722	709		709
170	0102417F	Over-the-Horizon Backscatter Radar	07		130,401		130,401			
171	0202834F	Aviation Support Equipment - General	07	6,097	10,733		10,733	1,028		1,028
172	0203345F	Operations Security (OPSEC)	07					45,000		45,000
173	0205219F	MQ-9 UAV	07	6,841	32,600		32,600	16,723		16,723
174	0205671F	Joint Counter RCIED Electronic Warfare	07	3,325	3,382		3,382	2,816		2,816

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175	0207040F	Multi-Platform Electronic Warfare Equipment	07		7,000		7,000			
176	0207133F	F-16 Squadrons	07	107,714	229,857	82,500	312,357	527,739		527,739
177	0207134F	F-15E Squadrons	07	138,345	229,946		229,946	322,889		322,889
178	0207136F	Manned Destructive Suppression	07	12,119	15,309		15,309	8,128		8,128
179	0207138F	F-22A Squadrons	07	733,581	813,987		813,987	950,375		950,375
180	0207142F	F-35 Squadrons	07	45,444	32,203		32,203	47,388		47,388
181	0207146F	F-15EX	07	54,875	117,715	40,000	157,715	133,274		133,274
182	0207161F	Tactical AIM Missiles	07	33,701	85,449		85,449	98,861		98,861
183	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	51,898	50,539		50,539	53,277		53,277
184	0207172F	Joint Advanced Tactical Missile (JATM)	07		420,110		420,110	500,422		500,422
185	0207227F	Combat Rescue - Pararescue	07	743						
186	0207238F	E-11A	07	29,669	15,035		15,035			
187	0207242F	Special Program Applications	07					35,149		35,149
188	0207247F	AF TENCAP	07	50,263	52,492		52,492	50,913		50,913
189	0207249F	Precision Attack Systems Procurement	07	9,106	13,429		13,429	14,602		14,602
190	0207253F	Compass Call	07	115,978		90,241	90,241	66,514		66,514
191	0207268F	Aircraft Engine Component Improvement Program	07	58,429	64,073		64,073	205,938		205,938
192	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	190,710	226,116	200,000	426,116	133,092		133,092
193	0207327F	Small Diameter Bomb (SDB)	07	29,047	24,575		24,575	25,497		25,497
194	0207410F	Air & Space Operations Center (AOC)	07	63,091	99,217		99,217	158,871		158,871
195	0207412F	Control and Reporting Center (CRC)	07	16,441	17,407		17,407	18,137		18,137

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196	0207418F	AFSPECWAR - TACP	07	1,380				5,206		5,206
198	0207431F	Combat Air Intelligence System Activities	07	25,049	35,646		35,646	33,700		33,700
199	0207438F	Theater Battle Management (TBM) C4I	07	4,249	6,698		6,698	7,014		7,014
200	0207439F	Electromagnetic Warfare Int Reprog (EWIR)	07	13,081	38,639		38,639	73,523		73,523
201	0207444F	Tactical Air Control Party-Mod	07	11,816						
202	0207452F	DCAPES	07	8,154	8,390		8,390	5,254		5,254
203	0207457F	Air Force Special Warfare (SPECWAR)	07		27,149		27,149	24,423		24,423
204	0207461F	Flight Operations Systems	07					15,978		15,978
205	0207521F	Air Force Calibration Programs	07	2,213	2,242		2,242	2,220		2,220
206	0207573F	National Technical Nuclear Forensics	07	1,984						
207	0207590F	Seek Eagle	07	34,982	33,706		33,706	36,710		36,710
208	0207611F	Readiness Decision Support Enterprise	07		8,758		8,758	6,823		6,823
209	0207697F	Distributed Training and Exercises	07	3,826	4,342	10,000	14,342	83,659		83,659
210	0207701F	Full Combat Mission Training	07	3,808	7,985		7,985	6,644		6,644
211	0208006F	Mission Planning Systems	07	78,113	123,103		123,103	122,175		122,175
212	0208007F	Tactical Deception	07	519	13,523		13,523	48,857		48,857
213	0208087F	Distributed Cyber Warfare Operations	07	28,792	30,893		30,893	71,868		71,868
214	0208088F	AF Defensive Cyberspace Operations	07	83,231	121,433		121,433	76,758		76,758
218	0208288F	Intel Data Applications	07	988	1,012		1,012	7,511		7,511
219	0301025F	GeoBase	07		985		985	403		403

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220	0301113F	Cyber Security Intelligence Support	07	18,141	14,749		14,749			
226	0301377F	Countering Advanced Conventional Weapons (CACW)	07	834	1,117		1,117	1,343		1,343
228	0301401F	AF Multi-Domain Non-Traditional ISR Battlespace Awareness	07	3,006	2,987		2,987	2,754		2,754
229	0302015F	E-4B National Airborne Operations Center (NAOC)	07	52,362	55,095		55,095	50,873		50,873
230	0302315F	Non-Kinetic Countermeasure Support	07	7,590	7,006		7,006	4,024		4,024
231	0303004F	EIT CONNECT	07	15,531						
232	0303089F	Cyberspace and DoDIN Operations	07	9,432	9,955		9,955			
233	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	24,763	98,548		98,548	254,837		254,837
234	0303133F	High Frequency Radio Systems	07	8,423	19,709		19,709	33,215		33,215
235	0303140F	Information Systems Security Program	07	98,150	101,551		101,551	117,658		117,658
236	0303248F	All Domain Common Platform	07	86,301	75,711		75,711	71,312		71,312
237	0303260F	Joint Military Deception Initiative	07	6,557	351		351			
238	0304100F	Strategic Mission Planning & Execution System (SMPES)	07	67,385	74,236		74,236	89,663		89,663
239	0304109F	THRESHER	07		103		103	109		109
242	0304260F	Airborne SIGINT Enterprise	07	92,473	98,650		98,650	98,319		98,319
243	0304310F	Commercial Economic Analysis	07	4,546	4,070		4,070	1,713		1,713
246	0304784F	Long Endurance - Airborne ISR	07			23,000	23,000	16,570		16,570
247	0305015F	C2 Air Operations Suite - C2 Info Services	07	15,742						
248	0305020F	CCMD Intelligence Information Technology	07	1,836	1,547		1,547			

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249	0305022F	ISR Modernization & Automation Dvmt (IMAD)	07	19,409	22,237		22,237	16,188		16,188
250	0305099F	Global Air Traffic Management (GATM)	07	4,505	4,222		4,222	4,210		4,210
251	0305103F	Cyber Security Initiative	07	292	305		305	318		318
252	0305111F	Weather Service	07	39,438	50,129		50,129	29,331		29,331
253	0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	07	14,689	27,064		27,064	61,895		61,895
254	0305116F	Aerial Targets	07	5,870	5,011		5,011	1,704		1,704
257	0305128F	Security and Investigative Activities	07	463	7,855		7,855	9,642		9,642
258	0305146F	Defense Joint Counterintelligence Activities	07	6,387	6,524		6,524	2,469		2,469
259	0305155F	Theater Nuclear Weapon Storage & Security System	07					24,364		24,364
260	0305158F	Tactical Terminal	07	482	1,084		1,084			
261	0305179F	Integrated Broadcast Service (IBS)	07	15,006	19,085		19,085	18,266		18,266
262	0305206F	Airborne Reconnaissance Systems	07	115,637	65,432		65,432	34,273		34,273
263	0305207F	Manned Reconnaissance Systems	07	18,323	28,733		28,733	17,114		17,114
264	0305208F	Distributed Common Ground/Surface Systems	07	99,749	81,033		81,033	85,365		85,365
265	0305220F	RQ-4 UAV	07	6,171						
266	0305221F	Network-Centric Collaborative Targeting	07	9,952	12,019		12,019	9,146		9,146
267	0305238F	NATO AGS	07	865	816		816			
268	0305240F	ISR Transport and Processing	07	33,432	32,578		32,578	312,037		312,037
269	0305249F	AF JWICS Enterprise	07	9,445	13,404		13,404	19,324		19,324
270	0305600F	International Intelligence Technology and Architectures	07	17,784	18,946		18,946	62,000		62,000

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271	0305836F	C2IMERA	07		13,690		13,690	11,393		11,393
272	0305903F	COCOM Mobile Command and Control Centers (MCCCs)	07		3,961		3,961	2,013		2,013
273	0305984F	Personnel Recovery Command & Ctrl (PRC2)	07	3,272	2,851		2,851	1,783		1,783
274	0307577F	Intelligence Mission Data (IMD)	07	3,658	18,000		18,000	3,151		3,151
275	0401119F	C-5 Airlift Squadrons (IF)	07	25,825	33,320		33,320	76,233		76,233
276	0401130F	C-17 Aircraft (IF)	07	11,874	103,465	4,410	107,875	178,130		178,130
277	0401132F	C-130J Program	07	34,261	18,684		18,684	16,628		16,628
278	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	7,484	40,955		40,955	12,323		12,323
279	0401218F	KC-135s	07	9,678		43,000	43,000	121,742		121,742
280	0401318F	CV-22	07	25,549	31,544		31,544	45,699		45,699
281	0401334F	Large Aircraft Survivability Systems (LASS)	07					50,111		50,111
282	0408011F	Special Tactics / Combat Control	07	9,146	28,200	10,000	38,200			
283	0708610F	Logistics Information Technology (LOGIT)	07	11,665	18,326		18,326	21,518		21,518
284	0801380F	AF LVC Operational Training (LVC-OT)	07	23,987	33,478		33,478	23,472		23,472
285	0804743F	Other Flight Training	07	1,116	2,338		2,338	1,950		1,950
286	0901202F	Joint Personnel Recovery Agency	07	2,235	2,051		2,051	2,035		2,035
287	0901218F	Civilian Compensation Program	07	4,267	4,355		4,355	4,248		4,248
288	0901220F	Personnel Administration	07	3,557	2,728		2,728	2,678		2,678
289	0901226F	Air Force Studies and Analysis Agency	07	9,578	14,559		14,559	81,252		81,252
290	0901231F	Counterdrug Support - HQ USAF	07	4,789						

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291	0901538F	Financial Management Information Systems Development	07	5,428	3,927		3,927	3,316		3,316
292	0901554F	Defense Enterprise Acntng and Mgt Sys (DEAMS)	07	55,836	38,408	20,000	58,408	38,301		38,301
293	1201921F	Service Support to STRATCOM - Space Activities	07		330		330	700		700
999	999999999	Classified Programs	07	18,258,364	18,003,033	1,378,393	19,381,426	29,113,107		29,113,107
		Operational system development		24,605,325	25,347,880	2,001,544	27,349,424	39,930,435	1,040,686	40,971,121
Total Research, Development, Test and Evaluation, Air Force				47,044,594	50,289,595	6,705,560	56,995,155	73,075,614	1,091,686	74,167,300

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

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

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

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Executive Summary for

RDT&E, Air Force

Table 1: Funding Overview

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

Table 2: Detailed Mandatory Breakout

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

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

MANDATORY FUNDING JUSTIFICATION:

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

Air Superiority:

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

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

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

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

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

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

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

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

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

Munitions:

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

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

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

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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
OSW	- Office of the Secretary of War
PACAF	- Pacific Air Forces
USAF	- United States Air Force
USAF A	- United States Air Force Academy
USAFE	- United States Air Force Europe
USCENTCOM	- United States Central Command
USEUCOM	- United States European Command
USMC	- United States Marine Corps
USSTRATCOM	- United States Strategic Command
WP AFB	- Wright-Patterson AFB, OH

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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 2027 Air Force **Date:** April 2026

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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	17.078	40.935	44.526	0.000	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing
662907: <i>Electronic Combat Intel Support</i>	0.000	2.932	2.980	2.617	0.000	2.617	3.125	3.183	3.243	3.309	Continuing	Continuing
663321: <i>Electronic Warfare Ground Test Resources</i>	0.000	6.051	27.781	31.563	0.000	31.563	32.096	32.726	33.371	33.973	Continuing	Continuing
667500: <i>Foreign Materiel Acquisition/Analysis</i>	0.000	8.095	10.174	10.346	0.000	10.346	8.856	9.023	9.194	9.382	Continuing	Continuing

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 Program 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 element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0606398F and 0605807F.

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 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0604256F I Threat Simulator Development			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	17.291	41.125	0.000	0.000	0.000
Current President's Budget	17.078	40.935	44.526	0.000	44.526
Total Adjustments	-0.213	-0.190	44.526	0.000	44.526
• 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	-0.213	-0.190	44.526	0.000	44.526
Change Summary Explanation					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					
FY 2026 to FY 2027 net increase of \$3.591 million is due to the following actions: increased investment in hypersonic test capabilities and restoration of an FY 2026 realignment of funds for the F-16 Emergency Power Unit Overhaul facility.					
The FY 2027 request was reduced by \$0.765 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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
662907: Electronic Combat Intel Support	0.000	2.932	2.980	2.617	0.000	2.617	3.125	3.183	3.243	3.309	Continuing	Continuing
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 2025	FY 2026	FY 2027
Title: FMOT&E	2.932	2.980	2.617
Description: Supports Foreign Materiel Operational Test and Evaluation (FMOT&E)			
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 2027 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 2026 to FY 2027 Increase/Decrease Statement: The FY 2027 funding request was reduced by \$0.363 million to account for the availability of prior year execution balances.			
Accomplishments/Planned Programs Subtotals	2.932	2.980	2.617

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026			
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0605807F: Test and Evaluation Support	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	298.924	-	298.924	288.858	269.850	277.176	279.697	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.996	8.131	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Acquisition Strategy is not applicable to the PE and BPAC.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
663321: Electronic Warfare Ground Test Resources	0.000	6.051	27.781	31.563	0.000	31.563	32.096	32.726	33.371	33.973	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Electronic Warfare Ground Test Resources includes funding for the development and acquisition of live, virtual, and constructive threat systems that portray realistic Electronic Warfare threat environment across the entire electromagnetic spectrum during testing of weapons systems and may include Directed Energy Weapons. These funds are used for improvement and modernization (I&M) across the entire portfolio of ground test and test range capabilities used to evaluate aircraft and weapon system resilience/survivability against ever-evolving adversaries' asymmetric threats from Electronic Warfare/Cyber-attacks. Threats include resistance to jammers, Electromagnetic Interference and Compatibility, GPS-denial, surface to air missiles, etc. in labs and open-air environments.

I&M efforts are for Major Range and Test Facility Base (MRTFB) to include the National Radar Cross Section (RCS) Test Facility (NRTF) and the Central Inertial and GPS Test Facility (CIGTF) at the 704th Test Group at Holloman AFB, NM, the Guided Weapons Evaluation Facility (GWEF) and the Joint Preflight Integration of Munitions and Electronic Systems (J-PRIMES) facility at Eglin AFB, FL, the Benefield Anechoic Facility (BAF) and the Integrated Facility for Avionics System Test Facility (IFAST) at Edwards AFB, CA. 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 2025	FY 2026	FY 2027
Title: Electronic Warfare Ground Test Resources	6.051	27.781	31.563
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 2026 and FY 2027 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).			
FY 2026 Plans: - 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			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
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 2025	FY 2026	FY 2027
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. - Continue execution of the Electronic Combat Range - Dynamic Moving Target Simulator (ECR-DMTS) 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 - Start planning of the Dynamic Electro-Optical Simulator at Eglin and High Angle Radar Cross Section (RCS) Measurement pylon at 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. FY 2027 Plans: - Continue 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. - Finish execution of Electronic Combat Range - Dynamic Moving Target Simulator and bring to IOC/FOC. - Continue the Advanced Position Navigation and Timing (PNT) T&E Simulation Environment, all simulators. - Continue execution of two Antenna Pattern Measurement capabilities to support testing at Edwards and Arnold. - Continue execution of the Dynamic Electro-Optical Simulator to advance T&E Simulations at Eglin. - Continue execution of the High Angle RCS Measurement test pylon at 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. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$3.782 million due to hypersonic test investment ramp and restoration of an FY 2026 realignment of funds for the F-16 Emergency Power Unit Overhaul facility.			
Accomplishments/Planned Programs Subtotals	6.051	27.781	31.563

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 06 0605807F: <i>Test and Evaluation Support</i>	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026			
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				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	298.924	-	298.924	288.858	269.850	277.176	279.697	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Acquisition Strategy is not applicable to the PE and BPAC.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0604256F / Threat Simulator Development				Project (Number/Name) 667500 / Foreign Materiel Acquisition/Analysis			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
667500: Foreign Materiel Acquisition/Analysis	0.000	8.095	10.174	10.346	0.000	10.346	8.856	9.023	9.194	9.382	Continuing	Continuing
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 DoW 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 2025	FY 2026	FY 2027
Title: FMP	8.095	10.174	10.346
Description: Supports DAF Foreign Materiel Program (FMP) Requirements through the acquisition and analysis of foreign materiel.			
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 2027 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 to FY 2027 Increase/Decrease Statement: Funding increased \$0.172 million due to inflation.			
Accomplishments/Planned Programs Subtotals	8.095	10.174	10.346

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026			
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0605807F: Test and Evaluation Support	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	298.924	-	298.924	288.858	269.850	277.176	279.697	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Acquisition Strategy is not applicable to the PE and BPAC.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0604759F I Major T&E Investment							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	65.962	157.959	235.405	0.000	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing
664597: AF Test Investments	0.000	65.962	157.959	235.405	0.000	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Program provides planning, improvements, and modernization for test capabilities within Air Force Test Center (AFTC) Major Range and Test Facility Base (MRTFB) organizations. This Program annually resources 10-30 unique, time-phased projects across the Center, changing from year to year as projects complete and others are started. Funding varies year to year based on project phases (planning, acquisition, installation, etc.), requiring 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 across the following sites:

- 96 TW (Eglin AFB, FL): Non-nuclear weapons, C5ISR systems, target systems, spectral signatures, and cyber capabilities (Avionics Cyber Range - ACR).
- 412 TW (Edwards AFB, CA): Aircraft, aerospace vehicles, UAVs, cruise missiles, parachute systems, and cargo handling.
- AEDC (Arnold AFB, TN): Aero propulsion, flight systems, space and missile programs, providing simulated environments for testing satellites, sensors, space vehicles, and large-scale models.
- 704 TG (Holloman AFB, NM): (Aligned under AEDC) Flight testing and support for advanced avionics, navigation systems, and aircraft/missile performance. Also coordinates USAF tests at White Sands. The 704TG OL-AC (Wright-Patterson AFB, OH) supports aircraft survivability, landing gear, tires and brakes testing, and component qualification.

The Improvement and Modernization (I&M) program is managed as follows:

- Requirements defined through the AF Test Investment Planning & Programming (TIPP) Process.
- Projects are reviewed through the Tri-Service Reliance Process to avoid duplication with other branches.
- Projects are documented in the Technology Development Acquisition Program (TDAP) database.
- Test capabilities at AFTC 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.

Funding is allocated to the following five key mission areas:

1. T&E Range and Test Asset Modernization: Testing long-range, high-speed weapons in complex environments, handling big data, and multi-domain testing with realistic threats.
2. Hypersonics: Testing hypersonic engines, materials, and flight testing capabilities (simulation and open-air).
3. Directed Energy/Electronic Combat: Characterizing beam properties and simulating adversary air defense capabilities for 5th/6th generation weapon testing.
4. Cyberspace and Avionics Cyber: Improving cybersecurity/resiliency testing for networks, C5ISR, and airborne weapons.
5. Autonomy: Testing autonomous aerial and ground systems with many vehicles, focusing on monitoring, termination, and testing systems with artificial intelligence.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0604759F I Major T&E Investment				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0606398F and 0605807F.						
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		74.228	156.915	0.000	0.000	0.000
Current President's Budget		65.962	157.959	235.405	0.000	235.405
Total Adjustments		-8.266	1.044	235.405	0.000	235.405
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	10.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	-0.686			
• Other Adjustments		-8.266	-8.270	235.405	0.000	235.405
Change Summary Explanation						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						
FY 2026 to FY 2027 net increase of \$77.446 million due to the following: increased hypersonic test investment (+\$275 million); reprogramming of funds for hypersonic capabilities (-\$198 million); reprogramming of funds to support Developmental Test Aircraft (-\$18 million); restoration of a reduction for T&E Execution Ramp taken in FY 2026 only (+\$38 million); reprogramming of funds to support Supply Chain Risk Management (-\$7 million), and miscellaneous adjustments to FY 2026 (+\$1 million) and FY 2027 (-\$9 million).						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: T&E Range and Test Asset Modernization				21.341	37.406	17.556
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).						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
FY 2026 Plans: Continue the following projects: - Next Gen Data Ecosystem (NGDE) Platforms Infrastructure and Storage Complete the following projects: - Eglin Gulf Test Training Range (EGTTR) (AMADS, PMT, SENTRY) - AI Development Platform Congressional Add: - Coherent Distributed Network Multi-Static RADARs FY 2027 Plans: Complete the following project: Next Gen Data Ecosystem (NGDE) Platforms Storage FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased \$19.850 million due to project phasing.				
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 2026 Plans: Complete the following projects: -Gulf Range Enhancement -Imaging Improvement and Modernization Program (IIMP - LRWKC) -Improve Plant Reliability and Efficiency/Transonic Aero Test Capability (IMTPC) [IOC June 2026] -Improve Large Model Supersonic Aerodynamic Ground T&E Capability (ILMSC) [formerly Tunnel 16S Reactivation] -Improved Small Scale Hypervelocity Impact T&E -M6/M8 Nozzle for Tunnel B Continue the following projects: - Guided Weapons Eval Facility (GWEF) - Hypersonic Hardware in the Loop (HITL)		33.695	110.762	100.249

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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)		FY 2025	FY 2026	FY 2027
- Hypersonic Air Defense Effectiveness and Survivability (HADES) - DIADS - True Temperature Mach 7 T&E - Turbine Based Combined Cycle Test Improvements (TBCC) - High Enthalpy Standard Hypersonic Test Article (HESHTA) - Large Scale/High Dynamic Pressure Nozzle for Clean Air Facility [M6 M4 M5] - High Pressure Air Additional Capacity Phase 2 (HPAAC2) - Subscale Modeling 1T/1S Wind Tunnels - Integrated Scramjet Direct Connect Diagnostics (ISJDC) - One Mission - Networked Intelligence (OMNI) - Early Operational Capability (EOC) FY 2027 Plans: Start the following Projects: - Increase Capability of Continuous Flow Hypersonic Ground T&E - Mach 5 Continuous Flow Test Continue the following Projects: - Guided Weapons Eval Facility (GWEF) - Hypersonic Hardware in the Loop (HITL) - Hypersonic Air Defense Effectiveness and Survivability (HADES) - DIADS - True Temperature Mach 7 T&E - Turbine Based Combined Cycle Test Improvements (TBCC) - High Pressure Air Additional Capacity Phase 2 (HPAAC2) - Subscale Modeling 1T/1S Wind Tunnels - Integrated Scramjet Direct Connect Diagnostiscs (ISJDC) - One Mission - Networked Intelligence (OMNI) - Early Operational Capability (EOC) Complete the following Projects: - High Enthalpy Standard Hypersonic Test Article (HESHTA) - Large Scale/High Dynamic Pressure Nozzle for Clean Air Facility; M6 M4 M5 FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$10.513 million due to: \$76.683 million increase for hypersonic test and \$64.380 million transfer to construct a new Advanced Battle Management System (ABMS) / Joint All-Domain Command and Control (JADC2) Test Capabilities (AJTC) Facility at Eglin AFB, FL.				
Title: Directed Energy/Electronic Combat		3.520	8.715	24.200

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
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 2026 Plans: Continue the following projects: - Next Generation Engineering Targets (OPTICAMS) - Survivability Test Stand (STS) Complete the following projects: - Advanced Multispectral Development - Phase I (AMD-I) FY 2027 Plans: Continue the following projects: - Next Generation Engineering Targets (OPTICAMS) - Survivability Test Stand (STS) FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$15.485 million to fund next phase of the survivability test stand and cuts to FY 2026 funds.				
Title: Cyberspace and Avionics Cyber Description: Cyberspace and Avionics Cyber is the advancement of cybersecurity/resiliency test capability for network, C41SR and airborne weapon platforms and includes development of tools, techniques and hardware in the loop capabilities focused on cybersecurity and cyber-resiliency. FY 2026 Plans: Start the following projects: - Advanced Battle Management System Test Capability (ABMS)/Joint All Domain C2 (JADC2) Test Capability Continue the following projects: - War-fighter Data Links Test Capability (WDLTC) [Eglin & Edwards] FY 2027 Plans: Continue the following projects:		7.406	1.076	93.400

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027		
- War-fighter Data Links Test Capability (WDLTC) [Eglin & Edwards] - Advanced Battle Management System Test Capability (ABMS)/Joint All Domain C2 (JADC2) Test Capability											
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$92.325 million due to construction of a new Advanced Battle Management System (ABMS) / Joint All-Domain Command and Control (JADC2) Test Capabilities (AJTC) Facility at Eglin AFB, FL, via the Defense Laboratory Modernization Program (DLMP).											
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 2026 Plans: Funds planned for FY 2025 and FY 2026 toward this effort were removed to accommodate overall Program reductions as these investments were the lowest priority among efforts. AFTC received FY 2027 funding in Program 0605807F that will represent Autonomy efforts going forward. FY 2027 Plans: No further investment is planned for this effort in this Program FY 2026 to FY 2027 Increase/Decrease Statement: Not applicable							0.000	0.000	0.000		
Accomplishments/Planned Programs Subtotals							65.962	157.959	235.405		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 06 0605807F: Test and Evaluation Support	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity				R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support				PE 0604759F I Major T&E Investment							
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	289.924	-	289.924	288.858	269.850	277.176	279.697	Continuing	Continuing
• RDTE 06 0604256F: Threat Simulator Development	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
N/A											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605101F I RAND Project Air Force							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	38.270	31.961	13.312	0.000	13.312	13.827	14.076	14.334	14.624	Continuing	Continuing
661110: Project Air Force	0.000	38.270	31.961	13.312	0.000	13.312	13.827	14.076	14.334	14.624	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

MISSION DESCRIPTION

Formally designated mission-critical, RAND Project Air Force (PAF) is the Department of the Air Force's (DAF's) sole Congressionally Mandated Federally Funded Research and Development Center (FFRDC) for studies and analysis. For 78 years, PAF has provided essential, objective analysis to inform DAF and Congressional decisions, with a research agenda directed by the DAF's highest levels, including the Tri-Chair Steering Group chaired by the USecAF, VCSAF, and VCISO.

PAF provides a return on investment that far exceeds its costs. Its actionable recommendations have saved billions of dollars while maximizing lethality and readiness. Recent examples include saving \$17 billion from an airlift recapitalization strategy and preventing a \$30 billion budgetary spike through analysis of the Future Aerial Refueling Enterprise.

PAF research informs the DAF's most crucial decisions, from Collaborative Combat Aircraft (CCA) force design and cost-effective air base resilience to improving space acquisition. Notably, PAF's latest work on Dynamic Space Operations (DSO) directly influenced the VCISO's strategy for refueling spacecraft and is being used to formally respond to a FY 2026 Congressional requirement.

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 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	39.720	32.405	0.000	0.000	0.000
Current President's Budget	38.270	31.961	13.312	0.000	13.312
Total Adjustments	-1.450	-0.444	13.312	0.000	13.312
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	-0.070	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	-1.450	-0.444			
• Other Adjustments	0.070	0.000	13.312	0.000	13.312

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0605101F I RAND Project Air Force		
Change Summary Explanation FY27 SBIR/STTR funding reduction.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: China-Russia Center 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. FY 2026 Plans: Continue analytical research with China/Russia focus at SecAF requested level of funding. FY 2027 Plans: Need to continue analytical research with China/Russia focus at SecAF requested level of funding. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.		1.429	2.323	1.136
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 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 2027 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 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.		7.990	6.730	2.765
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. FY 2026 Plans:		8.900	6.950	2.855

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
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 2027 Plans: 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 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.				
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 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 2027 Plans: Continued research and analysis for the DAF focusing on issues of personnel recruitment, training, readiness, retention and well-being, force readiness, and other issues. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.		8.900	6.949	2.855
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 FY 2026 Plans: 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 2027 Plans:		8.900	6.949	2.855

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
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 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.				
Title: Direct Assistance				
Description: A unique and vital PAF capability that provides rapid, short-term analytical support to senior DAF leaders to address urgent, time-sensitive needs. Unlike pre-planned core research projects, Direct Assistance allows leaders to draw on PAF's deep, resident expertise to get timely, evidence-based answers to emergent policy and operational questions, often within days or weeks. This "just-in-time" analysis is a critical force multiplier, enabling informed decision-making at the speed of relevance.				
FY 2026 Plans: Continue conducting analytical research across a broad spectrum of urgent issues and concerns—integrative, agile research/direct support.				
FY 2027 Plans: Continue conducting analytical research across a broad spectrum of urgent issues and concerns—integrative, agile research/direct support.				
FY 2026 to FY 2027 Increase/Decrease Statement: Decrease consistent with reductions to FFRDCs across the DAF.				
Accomplishments/Planned Programs Subtotals		2.151	2.060	0.846
		38.270	31.961	13.312
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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605502F I Small Business Innovation Research							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	904.678	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
663005: Small Business Innovation Research	0.000	904.678	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program implements 15 U.S.C Section 638 to maximize the creative, innovative, and entrepreneurial spirit of small businesses to solve technological problems. AFWERX administers the Department of Air Force (DAF) SBIR/STTR program with a vision to empower an innovation ecosystem that delivers disruptive Air & Space capabilities. AFWERX accelerates agile and affordable capability transitions by teaming innovation technology developers with Airmen and Guardian talent. AFWERX accomplishes this through (1) connecting diverse, innovative industry, academia, and Government entities; (2) creating capability options and prototype opportunities for the DAF; (3) facilitating streamlined acquisition processes; and (4) fostering a culture of innovation.

Funding is spread across multiple focus areas that change from year to year based on known and emerging technology gaps, warfighting demand signals, and broader assessments of the military industrial base in light of its reliance on foundational commercial industries. SBIR/STTR investments will be made in Open Topic, Specific Topic, and TACFI/STRATFI programs based on demand signals, timeliness of funds allocation and availability, and changes to strategic guidance or priorities.

The DAF SBIR/STTR program implements three different approaches to provide funding and opportunities to small businesses. Open Topic: The Open Topic Program uses a technology-agnostic solicitation which encourages commercial industry to submit dual-use technology solutions without having a known end-user. It is used to capture the best capabilities and emerging technologies and allows industry to bring novel solutions to the DAF. Specific Topic: The Specific Topic Program seeks innovative solutions for SECAF identified Operational Imperatives and defined problem sets by a DAF end user or customer. Specific Topics have clearly-defined requirements and a known DAF customer built into the topic solicitation. STRATFI/TACFI: The STRATFI (Strategic Funding Increase) and TACFI (Tactical Funding Increase) Programs help to scale Phase II efforts to the level needed to achieve technology transitions. These programs de-risk development through syndication with multiple transition-focused partners and leveraging outside investment. Administrative costs to support the SBIR program and due diligence are also included in this program.

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 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605502F I Small Business Innovation Research			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	904.678	0.000	0.000	0.000	0.000
Total Adjustments	904.678	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	904.678	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026
Title: Small Business Innovation Research & Small Business Technology Transfer				904.678	0.000
Description: The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program implements 15 U.S.C Section 638 to maximize the creative, innovative, and entrepreneurial spirit of small businesses to solve technological problems. AFWERX's mission is to accelerate agile and affordable capability transitions by teaming leaders in innovative technology with Airmen and Guardian talent.					
The DAF SBIR/STTR program implements three different approaches to provide funding and opportunities to small businesses:					
Open Topic: The Open Topic Program uses a technology-agnostic solicitation which encourages commercial industry to submit dual-use technology solutions without having a known end-user. It is used to capture the best capabilities and emerging technologies and allows industry to bring novel solutions to the DAF.					
USAF awarded 235 million dollars under the Open topic approach with FY25 funds, with additional awards expected.					
Since its inception in FY19, the Open Topic program has awarded over 6,400 contracts worth 3.993 billion dollars to small businesses, demonstrating its significant impact on the defense innovation base. The program remains a vital pathway for accessing a diverse range of dual-use technologies and fostering a robust defense innovation base.					
Specific Topic: The Specific Topic Program seeks innovative solutions for SECAF identified operational development priorities and defined problem sets by a DAF end user or customer. Specific Topics have clearly-defined requirements and a known DAF customer built into the topic solicitation.					

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605502F / <i>Small Business Innovation Research</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
USAF awarded 233 million dollars under the specific topic approach utilizing FY25 funds, with additional awards expected. STRATFI/TACFI: The STRATFI (Strategic Funding Increase) and TACFI (Tactical Funding Increase) Programs help to scale Phase II efforts to the level needed to achieve technology transitions. These program de-risk development through syndication with multiple transition-focused partners and leveraging outside investment. Funding amounts within the STRATFI program range from 3 million to 15 million per defense project, excluding other government and venture funding that can potentially quadruple the total award amount. Under the TACFI program, contracts range between 375,000 dollars and 2 million dollars. Utilizing FY25 funds, AFWERX awarded 68 TACFI and 18 STRATFI contracts across various topics valued at 213 million dollars. STRATFI topics included: rapidly deployable precision landing, Artificial Intelligence (AI) assisted tools, hard target surveillance radar, on-site manufacturing of jet fuel, augmented reality for maintenance training, hypersonic missile development, decisions on edge, sensor fusion and automation, expeditionary manufacturing, strike enhancement technologies, advanced engine component development, weather forecasting, data mining, advanced manufacturing, and alternate sensor deployment mechanisms. TACFI topics include technical areas of Artificial Intelligence, hypersonic technologies, human performance, materials & manufacturing, cross domain technologies, munition technologies, information dominance, aerospace systems, directed energy, digital capabilities, and advanced sensor technologies. FY 2026 Plans: If reauthorized, FY 2026 SBIR/STTR funds will continue to align with USAF priorities and needs while continuing investments in the emerging technologies that may result in future capabilities. Investment allocations will be made in Open Topic, Specific Topic, and TACFI/STRATFI programs and associated administrative costs based on demand signals, timeliness of funds allocation and availability, and changes to strategic guidance or priorities. FY 2027 Plans: If reauthorized, FY 2027 SBIR/STTR funds will continue to align with USAF priorities and needs while continuing investments in the emerging technologies that may result in future capabilities. Investment allocations will be made in Open Topic, Specific Topic, and TACFI/STRATFI programs and associated administrative costs based on demand signals, timeliness of funds allocation and availability, and changes to strategic guidance or priorities.				
Accomplishments/Planned Programs Subtotals		904.678	0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I</i> BA 6: <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605502F <i>I Small Business Innovation Research</i>	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks N/A		
E. Acquisition Strategy Not applicable		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605712F I Initial Operational Test & Evaluation							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	14.247	13.681	13.562	0.000	13.562	14.032	14.293	14.564	14.859	0.000	99.238
660191: Initial Operational Test and Eval	0.000	14.247	13.681	13.562	0.000	13.562	14.032	14.293	14.564	14.859	0.000	99.238
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). 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.

This PE funds participation in Multiservice Operational Test and Evaluation (MOT&E), and Follow-on Operational Test and Evaluation (FOT&E) when 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 three system categories: Air; Weapons; and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR).

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 2027 Air Force				Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	14.247	13.872	0.000	0.000	0.000	
Current President's Budget	14.247	13.681	13.562	0.000	13.562	
Total Adjustments	0.000	-0.191	13.562	0.000	13.562	
• 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	-0.191	13.562	0.000	13.562	
Change Summary Explanation						
The FY 2026 request was reduced by \$0.725 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 2025	FY 2026	FY 2027
Title: Air Systems OT&E				5.108	3.521	3.877
Description: Plan, execute and report OT&E for Air Systems						
FY 2026 Plans:						
- F-15EX: Conduct Adversarial Assessment (AA)						
- F-22 Sensor Enhancement: Conduct Mission Risk Assessment Process for Cyber MRAP-C on R6 and SeE IOT&E, Cooperative Vulnerability and Penetration Assessment CVPA, AA, Test Team travel						
- 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 2027 Plans:						
- F-22 Sensor Enhancement: MRAP-C, CVPA, Test Team travel						
- Radar Modernization Program, B-52 (RMP): CVPA						
- AFOTEC FTS OASIS Contract Advisory & Assistance Services						
- AFOTEC Special Project Support Services						
- Conduct other planning and operational testing for new air system programs as the requirement becomes known to AFOTEC						
FY 2026 to FY 2027 Increase/Decrease Statement:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
Funding increased due to new contractor support cost.				
Title: Weapons Systems OT&E Description: Plan, execute and report OT&E for Weapons Systems 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: 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 2027 Plans: - Air Intercept Missile-9X, Sidewinder, AIM-9X: MOT&E - C-17 Flight Deck Replacement, C-17 FDR: MRAP-C - Family of Affordable Mass Missiles Palletized (FAMM-PP: AA-1, AA-2, CVPA-1, CVPA-2 - Long Range Stand Off (LRSO): CPVA-1, CVPA-2, IOT&E - SENTINEL: CVPA-1, CVPA-2, MRAP-C - Unified Platform, UP: CVPA, AA - AFOTEC JSE Joint Simulation Environment: M&S Capability Support - AFOTEC Raytheon Support: Contractor Analyst Support in support of AIM120 SIP 4 - AFOTEC Sentinel Intercontinental Test & Evaluation Services (SITES) - Conduct other planning and operational testing for new weapons system programs as the requirement becomes known to AFOTEC FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to continuing existing efforts and increased cost of test team support/travel.		1.164	2.091	3.439
Title: C4ISR Systems OT&E Description: Plan, execute and report OT&E for C4ISR Systems FY 2026 Plans: - 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		5.408	5.612	5.496

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
- 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 Kessel Run All Domain Operations Suite(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 MRAPC, CVPA - Joint Cyber Command and Control (JCC2): Conduct AA, Contractor Analyst Support - AFOTEC Data analytics: Contractor Analyst Support - AFOTEC Data Scientist: Program 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 2027 Plans: - Three-Dimensional Expeditionary Long-Range Radar, 3DELRR: OUE-1, AA, CVPA, IOT&E, RF Cyber - Advanced Battle Management System Distributable Battle Management Node Tactical Operation Center - Light (ABMS DBMN TOC-1): AA, CVPA - Advanced Battle Management System Digital Infrastructure ABMS-DI: AA, CVPA - Advanced Battle Management System Phalanx Griffon AMBS PG: AA, CVPA, RF Cyber, Ops Demo, MRAP-C - Advanced Battle Management System Cloud Based Command and Control (ABMS-CBC2): AA - T-7A Advanced Pilot Trainer (T-7A APT): AA, CVPA-1, CVPA-2, MRAP-C - B-52 Advanced Extremely High Frequency Integration, B-52 AEHF: CVPA, MRAP-C - E-7A Airborne Early Warning & Control, E-7A AEW&C: CVPA - Air Force Maintenance Repair and Overhaul (MRO): AA - Next Generation Chemical Detection - Compact Vapor Chemical Agent Detector, NGCD - CVCAD: CVPA - Resilient Embedded Global Positioning System/Inertial Navigation System, R-EGI: MRAP-C - AFOTEC AFIT MRAP-C Training - AFOTEC Support OL-KN Cyber Assessment Program				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
- AFOTEC Cybersecurity: Cyber Contract Support - AFOTEC AF/TE: Contract Support - Conduct other planning and operational testing for new C4ISR programs as the requirement becomes known to AFOTEC FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to Department of Air Force (DAF) contractor services reduction cuts.				
Title: Combat Support OT&E Description: Plan, execute and report OT&E for Combat Support OT&E 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 2027 Plans: - AFOTEC Data analytics: Contractor Analyst Support - AFOTEC System Support: Contract Support FY 2026 to FY 2027 Increase/Decrease Statement: -Funding decreased due to test completion of program in Combat Support.		2.567	2.457	0.750
Accomplishments/Planned Programs Subtotals		14.247	13.681	13.562
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
E. Acquisition Strategy				
Acquisition strategy is not applicable to this Program Element.				

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	936.479	1,113.371	1,802.502	0.000	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing
6606MR: <i>Maintenance and Repair</i>	0.000	0.000	0.000	211.370	0.000	211.370	287.780	248.290	104.600	97.140	Continuing	Continuing
6606TG: <i>704th Test Group</i>	0.000	46.567	58.226	142.714	0.000	142.714	166.957	200.824	248.166	67.670	Continuing	Continuing
6606TS: <i>Test and Evaluation Support</i>	0.000	889.912	1,055.145	1,448.418	0.000	1,448.418	1,559.352	1,467.858	1,441.685	1,462.702	Continuing	Continuing

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 War (DoW) 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: 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; test aircraft operations and maintenance, including flying hour program (FHP), fuel, and weapon system sustainment; 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.

The Air Force Test Center (AFTC) has three Test Wings (TW)-

Arnold Engineering and Development Complex (Arnold AFB, TN): Operates the world's largest complex of ground test facilities for aerospace systems, including wind tunnels and engine test cells, and supports geographically separated facilities (National Full-Scale Aerodynamic Complex at NASA AMES, CA and Tunnel 9 at White Oak, MD).

412TW (Edwards AFB, CA): Tests and evaluates aircraft, weapons systems, unmanned vehicles, missiles, and related systems for the DoW and allies, and includes the USAF Test Pilot School (TPS).

96TW (Eglin AFB, FL): Tests and evaluates non-nuclear air armaments, Command. Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, Reconnaissance (C5ISR) systems, and special operations aircraft systems, supporting digital weapons development for all branches of the military.

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 2027 Air Force				Date: April 2026	
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			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	936.913	1,098.871	0.000	0.000	0.000
Current President's Budget	936.479	1,113.371	1,802.502	0.000	1,802.502
Total Adjustments	-0.434	14.500	1,802.502	0.000	1,802.502
• 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	-0.434	14.500	1,802.502	0.000	1,802.502
Change Summary Explanation					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					
FY2026 to FY 2027 net increase of \$689.131 million due to:					
\$519.768 million for Long Range Kill Chain test capability development; \$150.899 million for hypersonic test capabilities; \$24.405 million to restore bomber flight test; 18.333 million for inflation, fuel pricing, and supply rate changes; \$15.858 million for test facilities operations transfers; \$12.253 million for F-35 developmental test; \$11.548 million for Department of War Enhanced Performance Awards; \$5.429 million for Joint Simulated Environment testing; \$3.114 million for VENOM aircraft operations; \$1.5 million for major investments; -\$11.518 million programmed decrease to developmental test aircraft; -\$14.5 million for removal of FY 2026 BA136 adds; and -\$47.958 million net reduction for baseline adjustments, retirement system contributions, civilian pay adjustments, internal adjustments, and government efficiencies.					
FY 2026 (Current Year) was reduced by \$40.634 million, and FY 2027 Budget Year was reduced by \$44.511 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."					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force											Date: April 2026	
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605807F / <i>Test and Evaluation Support</i>				Project (Number/Name) 6606MR / <i>Maintenance and Repair</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
6606MR: <i>Maintenance and Repair</i>	0.000	0.000	0.000	211.370	0.000	211.370	287.780	248.290	104.600	97.140	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
In FY 2027, PE 0605807F, (Test and Evaluation Support), Project 6606MR, (Maintenance and Repair) efforts should be transferred to PE 0605807F, (Test and Evaluation Support), Project 6606TS, (Test and Evaluation Support), in order to fix an error of the funds being loaded to a project that does not exist in this program.

A. Mission Description and Budget Item Justification
This project's mission is not performed under this program.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Strike Assets Description: Strike Assets are the offensive components that operate within the "web" of the Long-Range Kill Web (LRKW) concept. Their primary purpose is to create a cohesive and lethal strike capability that can penetrate deep into contested airspace, engage targets with precision, return to base, and repeat the mission. FY 2026 Plans: FY 2026 Current Year does not have any funding. FY 2027 Plans: FY 2027 Budget Year Plans include beginning test capability development for: Advanced Turbine Engines, Aerodynamic and Weapon Integration, and Advanced Landing Gear. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2026 (Current Year) to FY 2027 (Budget Year) increase of 211.370 million for Strike Assets.	-	0.000	211.370
Accomplishments/Planned Programs Subtotals	-	0.000	211.370

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

Remarks

D. Acquisition Strategy
Acquisition Strategy is not applicable for this PE.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
6606TG: 704th Test Group	0.000	46.567	58.226	142.714	0.000	142.714	166.957	200.824	248.166	67.670	Continuing	Continuing
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 2025	FY 2026	FY 2027
Title: Civ Pay	31.674	29.877	30.406
Description: Provide civilian pay at the 704th Test Group (TG) to support testing of Department of War (DoW), other Government Agencies, foreign military sales, and commercial weapon systems.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
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 2025	FY 2026	FY 2027
Fund civilian pay for the 704th Test Group's (TG) consistent mission of testing of DoW, other Government Agencies, foreign military sales, and commercial weapon systems. FY 2027 Plans: Fund civilian pay for the 704th Test Group's (TG) consistent mission of testing of DoW, other Government Agencies, foreign military sales, and commercial weapon systems. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$0.529 million due to reductions to pay and benefits and an increase to performance awards.			
Title: Non Pay Description: Provide infrastructure at the 704th Test Group (TG) to support testing of DoW, other Government Agencies, foreign military sales, and commercial weapon systems. FY 2026 Plans: 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). FY 2027 Plans: 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). FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase of \$83.959 million due to Long Range Kill Chain (+\$90.527 million), reductions to contract services (-\$1.158 million), phasing of adds for Hypersonics support from FY 2026, and adjustments to budget based on reductions, repricing, inflation.	14.893	28.349	112.308
Accomplishments/Planned Programs Subtotals	46.567	58.226	142.714

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 06 0605976F: <i>Facilities Restoration and Modernization - Test and Evaluation Support</i>	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing
• RDTE 06 0605978F: <i>Facilities Sustainment - Test and Evaluation Support</i>	63.579	91.696	298.924	-	298.924	288.858	269.850	277.176	279.697	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 6				R-1 Program Element (Number/Name) PE 0605807F / Test and Evaluation Support				Project (Number/Name) 6606TG / 704th Test Group			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 06 0604256F: Threat Simulator Development	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Acquisition Strategy is not applicable to this PE.											

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
6606TS: Test and Evaluation Support	0.000	889.912	1,055.145	1,448.418	0.000	1,448.418	1,559.352	1,467.858	1,441.685	1,462.702	Continuing	Continuing
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 War (DoW) 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 2025	FY 2026	FY 2027
Title: Civ Pay 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 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 2027 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 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$23.707 million due to a combination of several increases and reductions to civilian pay, benefits, and performance award funding	477.105	400.686	424.393
Title: Non Pay 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 2026 Plans:	412.807	654.459	1,024.025

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
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).					
Begin execution of increased test aircraft funding for flying hours, operations, and sustainment for F-35, C-130, F-16 VENOM, B-52, C-12, and T-38 DT aircraft. Includes contract support for autonomy/artificial intelligence test capabilities.					
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 2027 Plans:					
Continue to provide operational support for AFTC test activities. Efforts include Aircraft Ops, Flying Hour Program (FHP), Programmed Depot Maintenance (PDM), depot field teams, contracted services, test equipment and supplies, general operations and maintenance, utilities, Joint Simulation Environment, and Test Pilot School (list not all inclusive). Includes one F-15E PDM and F-35 operations at Edwards and Eglin.					
Continue to execute increased test aircraft funding for flying hours, operations, and sustainment for F-35, C-130, F-16, F-16 VENOM, B-52, C-12, F-15E, B-2, and T-38 DT aircraft. Includes F-16 flutter modifications and contract support for autonomy/artificial intelligence test capabilities.					
Significant ramp-up of funds, targeting Hypersonic test capabilities at Eglin AFB, FL.					
New addition of Long Range Kill Chain funding will see projects begin to plan and execute.					
FY 2026 to FY 2027 Increase/Decrease Statement:					
Funding increased \$369.566 million due to increase for Long Range Kill Chain (\$217.871 million), reduction to T&E Operations including aircraft flying hours (-\$35.300 million), phasing and inflation of FY23 hypersonic development adds (approximately + \$70.000 million), B-2 restoral (approximately +\$14.000 million), JSE (net +\$2.000 million), and Project VENOM (approximately + \$3.000 million) and various other adjustments.					
Accomplishments/Planned Programs Subtotals			889.912	1,055.145	1,448.418

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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			
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.696	298.924	-	298.924	288.858	269.850	277.176	279.697	Continuing	Continuing	
• RDTE 06 0604256F: Threat Simulator Development	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Acquisition Strategy is not applicable for this PE.												

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

Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605827F I Acq Workforce- Global Vig & Combat Sys							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	339.924	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
665827: Acq Workforce-Global Vig & Combat Sys	0.000	339.924	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

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.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	327.724	0.000	0.000	0.000	0.000
Current President's Budget	339.924	0.000	0.000	0.000	0.000
Total Adjustments	12.200	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	12.200	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

In FY 2025, the \$12.200 million increase was part of a Below Threshold Reprogramming realigning funding between the Acquisition Workforce Program Elements within AFMC (\$4.800 million) and an Air Force Above Threshold Reprogramming (\$7.400 million).

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665827: Acq Workforce-Global Vig & Combat Sys	0.000	339.924	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A	339.924	0.000	0.000
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 2026 Plans: N/A FY 2027 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		339.924	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-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	PE 0605828F I <i>Acq Workforce- Global Reach</i>											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	516.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	516.240
665826: <i>acq workforce-global power</i>	0.000	331.723	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	331.723
665828: <i>Acq Workforce-Global Reach</i>	0.000	184.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.517

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.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	503.040	0.000	0.000	0.000	0.000
Current President's Budget	516.240	0.000	0.000	0.000	0.000
Total Adjustments	13.200	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	13.200	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

In FY 2025, the \$13.200 million increase was part of a Below Threshold Reprogramming realigning funding between the Acquisition Workforce Program Elements within AFMC (\$5.800 million) and an Air Force Above Threshold Reprogramming (\$7.400 million).

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665826: acq workforce-global power	0.000	331.723	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	331.723
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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A	326.836	0.000	0.000
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 Power acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans:	4.887	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		331.723	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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665828: Acq Workforce-Global Reach	0.000	184.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.517
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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A	184.517	0.000	0.000
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 Reach acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		184.517	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-2, RDT&E Budget Item Justification: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	PE 0605829F / <i>Acq Workforce- Cyber, Network, & Bus Sys</i>											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	466.068	435.918	439.592	0.000	439.592	446.530	455.902	465.474	475.248	Continuing	Continuing
665829: <i>acq workforce-cyber network & bus sys</i>	0.000	232.586	435.918	439.592	0.000	439.592	446.530	455.902	465.474	475.248	Continuing	Continuing
665830: <i>Acq Workforce-Global Battle Mgmt</i>	0.000	233.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

In FY 2028, PE 0605829F, Acq Workforce - Cyber, Network, & Bus Sys, Program 665829, Acq Workforce - Cyber, Network, & Bus Sys, will be transferred to PE 065831F, Acq Workforce - Capability Integration, Program 665829, Acq Workforce - Cyber, Network, & Bus Sys.

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.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	466.068	435.918	0.000	0.000	0.000
Current President's Budget	466.068	435.918	439.592	0.000	439.592
Total Adjustments	0.000	0.000	439.592	0.000	439.592
• 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	439.592	0.000	439.592

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665829: acq workforce-cyber network & bus sys	0.000	232.586	435.918	439.592	0.000	439.592	446.530	455.902	465.474	475.248	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The \$3.665 million increase from FY26 to FY27 is a combination of the following: Increased funding for updated average work year costs and an increase for workforce optimization. The funding supports 2,501 full-time equivalents.	232.176	435.382	439.047
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.	0.410	0.536	0.545

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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 2025	FY 2026
<i>FY 2026 Plans:</i> N/A <i>FY 2027 Plans:</i> N/A <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The \$0.009 million increase from FY26 to FY27 is due to inflation.					
Accomplishments/Planned Programs Subtotals				232.586	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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665830: Acq Workforce-Global Battle Mgmt	0.000	233.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This 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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A	233.482	0.000	0.000
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 Battle Management acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		233.482	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-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605831F I Acq Workforce- Capability Integration							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	305.394	1,153.165	1,206.669	0.000	1,206.669	1,233.291	1,263.403	1,290.195	1,315.566	Continuing	Continuing
664127: Acq Workforce - Direct	0.000	0.000	0.000	2.416	0.000	2.416	2.465	3.974	4.059	3.018	Continuing	Continuing
665826: acq workforce-global power	0.000	0.000	304.623	289.727	0.000	289.727	294.800	300.992	307.304	316.754	Continuing	Continuing
665827: Acq Workforce-Global Vig & Combat Sys	0.000	0.000	318.999	322.621	0.000	322.621	329.303	336.321	343.141	347.702	Continuing	Continuing
665828: Acq Workforce-Global Reach	0.000	0.000	179.071	160.172	0.000	160.172	162.926	166.355	169.851	173.419	Continuing	Continuing
665831: Acq Workforce - Capability Integration	0.000	305.394	280.687	352.703	0.000	352.703	363.407	373.680	382.034	389.107	Continuing	Continuing
665832: Acq Workfoce-Advanced Prgm Technology	0.000	0.000	69.785	79.030	0.000	79.030	80.390	82.081	83.806	85.566	Continuing	Continuing
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 2027 Air Force				Date: April 2026	
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	291.444	1,153.165	0.000	0.000	0.000
Current President's Budget	305.394	1,153.165	1,206.669	0.000	1,206.669
Total Adjustments	13.950	0.000	1,206.669	0.000	1,206.669
• 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	13.950	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	1,206.669	0.000	1,206.669
Change Summary Explanation					
In FY 2025, the \$13.950 million increase was part of a Below Threshold Reprogramming realigning funding between the Acquisition Workforce Program Elements within AFMC (\$4.150 million) and an Air Force Above Threshold Reprogramming (\$9.800 million).					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 6					R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration				Project (Number/Name) 664127 / Acq Workforce - Direct			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
664127: Acq Workforce - Direct	0.000	0.000	0.000	2.416	0.000	2.416	2.465	3.974	4.059	3.018	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element funds the AFLCMC civilian workforce in cross-cutting and mission support organizations such as Plans & Programs, Engineering, Contracting, Financial Management, Logistics, Program Management, Test, Intelligence, Safety, Personnel, Small Business, Inspector General, and Staff Judge Advocate. In addition, this program element funds the AFLCMC civilian workforce directly executing programs such as the Rapid Sustainment Office and the Cyber Resiliency Office for Weapon Systems. 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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans: N/A	0.000	0.000	0.000
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 Capability Integration acquisition programs throughout their life cycle. FY 2026 Plans:	0.000	0.000	2.416

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605831F / Acq Workforce- Capability In tegration	Project (Number/Name) 664127 / Acq Workforce - Direct	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
N/A			
FY 2027 Plans: N/A			
FY 2026 to FY 2027 Increase/Decrease Statement: The \$2.416 million increase from FY26 to FY27 is incorrectly aligned to Project 664127 and belongs in Project 665831. It will be executed in the correct project in FY27.			
Accomplishments/Planned Programs Subtotals		0.000	0.000
			2.416
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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665826: acq workforce-global power	0.000	0.000	304.623	289.727	0.000	289.727	294.800	300.992	307.304	316.754	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - 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 business capabilities needed to oversee Global Power acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The \$15.031 million decrease from FY26 to FY27 is a combination of the following: Increased funding for updated average work year costs and a reduction for workforce optimization. The funding supports 1,653 full-time equivalents.	0.000	299.522	284.491
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 business capabilities needed to oversee Global Power acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.	0.000	5.101	5.236

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
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 2025	FY 2026
<i>FY 2026 Plans:</i> N/A <i>FY 2027 Plans:</i> N/A <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The \$0.135 million increase from FY26 to FY27 is due to inflation.			
Accomplishments/Planned Programs Subtotals		0.000	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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665827: Acq Workforce-Global Vig & Combat Sys	0.000	0.000	318.999	322.621	0.000	322.621	329.303	336.321	343.141	347.702	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - 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 business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The \$3.622 million increase from FY26 to FY27 is due to increased funding for updated average work year costs. The funding supports 1,819 full-time equivalents.	0.000	318.999	322.621
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 business capabilities needed to oversee Global Vigilance and Combat Systems acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
FY 2026 Plans: N/A				
FY 2027 Plans: N/A				
Accomplishments/Planned Programs Subtotals		0.000	318.999	322.621
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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665828: Acq Workforce-Global Reach	0.000	0.000	179.071	160.172	0.000	160.172	162.926	166.355	169.851	173.419	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
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 2025	FY 2026	FY 2027	
Title: Acquisition Workforce - Civilian Pay									0.000	179.071	160.172	
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 2026 Plans: N/A												
FY 2027 Plans: N/A												
FY 2026 to FY 2027 Increase/Decrease Statement: The \$18.899 million decrease from FY26 to FY27 is a combination of the following: Increased funding for updated average work year costs and a reduction for workforce optimization. The funding supports 1,016 full-time equivalents.												
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 business capabilities needed to oversee Global Reach acquisition programs throughout their life cycle. This requirement supports non-civilian pay efforts.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
FY 2026 Plans: N/A				
FY 2027 Plans: N/A				
Accomplishments/Planned Programs Subtotals		0.000	179.071	160.172
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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665831: Acq Workforce - Capability Integration	0.000	305.394	280.687	352.703	0.000	352.703	363.407	373.680	382.034	389.107	Continuing	Continuing
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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay	295.449	270.529	341.232
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 2026 Plans: N/A			
FY 2027 Plans: N/A			
FY 2026 to FY 2027 Increase/Decrease Statement: The \$70.703 million increase from FY26 to FY27 is a combination of the following: Increased funding for updated average work year costs and an increase for workforce optimization. The funding supports 1,820 full-time equivalents.			
Title: Acquisition Workforce - Non-Civilian Pay	9.945	10.158	11.471

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
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 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 Capability Integration acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The \$1.313 million increase from FY26 to FY27 is due to inflation.			
Accomplishments/Planned Programs Subtotals		305.394	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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665832: Acq Workfoce-Advanced Prgm Technology	0.000	0.000	69.785	79.030	0.000	79.030	80.390	82.081	83.806	85.566	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
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 2025	FY 2026	FY 2027	
Title: Acquisition Workforce - Civilian Pay									0.000	69.785	79.030	
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 2026 Plans: N/A												
FY 2027 Plans: N/A												
FY 2026 to FY 2027 Increase/Decrease Statement: The \$9.245 million increase from FY26 to FY27 is due to increased funding for updated average work year costs. The funding supports 425 full-time equivalents.												
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 Advanced Program Technology acquisition programs throughout their life cycle. This effort supports non-pay requirements associated with the acquisition workforce.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
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 2025	FY 2026
FY 2026 Plans: N/A			
FY 2027 Plans: N/A			
Accomplishments/Planned Programs Subtotals		0.000	69.785
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks N/A			
D. Acquisition Strategy N/A			

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	68.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.182
665832: Acq Workfoce- Advanced Prgm Technology	0.000	68.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.182

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.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	68.182	0.000	0.000	0.000	0.000
Current President's Budget	68.182	0.000	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665832: Acq Workfoce-Advanced Prgm Technology	0.000	68.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.182
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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay 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 2026 Plans: N/A FY 2027 Plans: N/A	68.182	0.000	0.000
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 Advanced Program Technology acquisition programs throughout their life cycle. FY 2026 Plans: N/A FY 2027 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		68.182	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-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605833F I Acq Workforce- Nuclear Systems							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	328.180	368.881	342.650	0.000	342.650	343.598	350.797	358.151	365.667	Continuing	Continuing
665833: Acq Workforce - Nuclear Systems	0.000	328.180	368.881	342.650	0.000	342.650	343.598	350.797	358.151	365.667	Continuing	Continuing

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 2027 Air Force				Date: April 2026	
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	343.180	368.881	0.000	0.000	0.000
Current President's Budget	328.180	368.881	342.650	0.000	342.650
Total Adjustments	-15.000	0.000	342.650	0.000	342.650
• 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	-15.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	342.650	0.000	342.650
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665833: Acq Workforce - Nuclear Systems	0.000	328.180	368.881	342.650	0.000	342.650	343.598	350.797	358.151	365.667	Continuing	Continuing
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)

Title: Acquisition Workforce	FY 2025	FY 2026	FY 2027
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.	321.600	362.143	335.772
FY 2026 Plans: Continue to fund the Nuclear Systems acquisition and product support workforce.			
FY 2027 Plans: The FY27 PB budgets 342.650M in this program to support 1,878 direct, full-time equivalents. These work years directly support nuclear modernization efforts within the Air Force Nuclear Weapons Center enterprise to include ICBM, LRSO and NC3 programs.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
The 26.231M decrease from FY26 PB to FY27 PB is to adjust for reduction in workyears due to workforce optimization.				
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 2026 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 2027 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 2026 to FY 2027 Increase/Decrease Statement: Funding increased to meet inflationary growth of costs within the AFNWC HQ Staff Portfolio.		6.580	6.738	6.878
Accomplishments/Planned Programs Subtotals		328.180	368.881	342.650
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 2027 Air Force **Date:** April 2026

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 0605898F I <i>Management HQ - R&D</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.541	5.960	6.209	0.000	6.209	6.132	6.261	6.393	6.527	Continuing	Continuing
665898: <i>Management HQ-R&D</i>	0.000	6.541	5.960	6.209	0.000	6.209	6.132	6.261	6.393	6.527	Continuing	Continuing

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.

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	6.291	5.960	0.000	0.000	0.000
Current President's Budget	6.541	5.960	6.209	0.000	6.209
Total Adjustments	0.250	0.000	6.209	0.000	6.209
• 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	0.250	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	6.209	0.000	6.209

Change Summary Explanation

In FY 2025, the \$0.250 million increase was part of a Below Threshold Reprogramming realigning funding between the Acquisition Workforce Program Elements within AFMC.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
665898: Management HQ-R&D	0.000	6.541	5.960	6.209	0.000	6.209	6.132	6.261	6.393	6.527	Continuing	Continuing
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 2025	FY 2026	FY 2027
Title: Acquisition Workforce - Civilian Pay Description: Life Cycle Management Center management headquarters civilian pay. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: The \$0.249 million increase from FY26 to FY27 is a combination of increased funding for updated average work year costs and an increase for workforce optimization. The funding supports 34 full-time equivalents.	6.541	5.960	6.209
Title: Acquisition Workforce - Non-Civilian Pay Description: Life Cycle Management Center management headquarters non-civilian pay. FY 2026 Plans: N/A FY 2027 Plans:	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
N/A				
Accomplishments/Planned Programs Subtotals		6.541	5.960	6.209
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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605976F I Facilities Restoration and Modernization - Test and Evaluation Support							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	94.828	199.363	367.369	0.000	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing
6606MC: Facility Restoration and Modernization - T&E	0.000	94.828	199.363	367.369	0.000	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605807F.

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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	94.828	217.761	0.000	0.000	0.000
Current President's Budget	94.828	199.363	367.369	0.000	367.369
Total Adjustments	0.000	-18.398	367.369	0.000	367.369
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-18.398			
• 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	367.369	0.000	367.369

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0605976F I Facilities Restoration and Modernization - Test and Evaluation Support		
<u>Change Summary Explanation</u> The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner. FY 2026 has been adjusted due to Congressional Directed Reduction of \$18.398 million. FY 2026 (Current Year) to FY 2027 (Budget Year) funding increased by \$168.006 million, due to: \$155.234 million increase for Long Range Kill Chain test capability development; restoration of \$18.398 million Congressional Directed Reduction; \$4.079 million increase for test infrastructure corrections; \$3.839 million increase for hypersonic ground test infrastructure; \$2.515 million increase for inflation; \$15.852 million decrease of test and evaluation Hypersonics multi-year add; and \$0.207 million decrease for Stargazer Withhold, baseline adjustments, balancers, and internal corrections.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Facility restoration and modernization at the 96TW		14.261	15.794	10.515
Description: Facility restoration and modernization at the 96TW				
FY 2026 Plans: For FY 2026 Current Year, the 96TW is performing Restoration and Modernization (R&M) efforts across the range complex, including repair/replacement of Heating, Ventilation and Air Conditioning (HVAC), install/upgrade perimeter power, and expand asphalt for the Tactical Datalinks Test Lab; design for secondary fluid system and repair lowslope roofs at McKinley Climatic Laboratory; and roof repairs for the Central Control Facility (CCF).				
FY 2027 Plans: 96 TW FY 2027 Budget Year plans include HVAC, plumbing, and electrical facility system repairs for multiple test facilities; planning charettes for the range communications facility; fluid replacement and storm damage repair at McKinley Climatic Laboratory; multiple roof replacements; and planning charrette/design/construction for several failing facilities.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased \$5.279 million due to completion of major HVAC repairs and return to normal funding levels.				
Title: Facility restoration and modernization at AEDC		70.615	176.668	345.482
Description: Facility restoration and modernization at AEDC				
FY 2026 Plans: For FY 2026 Current Year, AEDC is performing restoration and modernization projects across geographically separated locations with increased emphasis on hypersonic test capabilities, including major repair and replacement projects supporting the Von				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027
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 2027 Plans: AEDC FY 2027 Budget Year plans include major restoration and modernization stopgap measures at the Central Inertial and GPS Test Facility (CIGTF) the Holloman High Speed Test Track (HHSTT), and the National Radar Cross-Section Test Facility (NRTF) as bridges to future MILCONs; major shared mechanical, electrical, and cooling water system infrastructure recapitalization efforts at the Aeropropulsion Systems Test Facility (ASTF), the Von Karmon Gas Dynamics Facility (VKF) Plant, and the Propulsion Wind Tunnel (PWT) Plant; targeted test facility modernization efforts at the 16ft diameter Supersonic Wind Tunnel (16S), the Aeropropulsion Test Unit (APTU), and the Turbine Engine Altitude test cells. Begin infrastructure projects to support Long Range Kill Web capability development.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$168.814 million to develop Long Range Kill Chain test capabilities.				
Title: Facility restoration and modernization at 412 TW Description: Facility restoration and modernization at the 412 TW		9.952	6.901	11.372
FY 2026 Plans: For FY 2026 Current Year, the 412 TW is performing restoration and modernization projects for various 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, design work to remove/replace an elevator in the Benefield Anechoic Facility, and control room upgrades for the Joint Simulation Environment (JSE).				
FY 2027 Plans: 412 TW FY 2027 Budget Year plans include multiple phased secure facility, power, and test cooling system upgrades for the Benefield Anechoic Facility; multiple upgrades to the test engineering software lab to include HVAC replacement, safety/security improvements, fire suppression system replacement and renovation of the warehouse storage and loading dock; and fire alarm distribution upgrades for the telemetry van maintenance shop.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$4.471 million due to funding transfers related to real property appropriation corrections.				
Accomplishments/Planned Programs Subtotals		94.828	199.363	367.369

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605976F I Facilities Restoration and Modernization - Test and Evaluation Support							
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0606398F: Management HQ - T&E	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing	
• RDTE 06 0605807F: Test and Evaluation Support	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	298.924	-	298.924	287.858	269.850	277.176	279.697	Continuing	Continuing	
• RDTE 06 0604256F: Threat Simulator Development	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
Remarks												
E. Acquisition Strategy												
Acquisition Strategy is not applicable to this PE.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605978F I Facilities Sustainment - Test and Evaluation Support							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	63.579	91.969	298.924	0.000	298.924	287.858	269.850	277.176	279.697	Continuing	Continuing
6606MR: Facility Sustainment-T&E Support	0.000	63.579	91.969	298.924	0.000	298.924	287.858	269.850	277.176	279.697	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605807F.

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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0605978F I Facilities Sustainment - Test and Evaluation Support			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	63.579	91.969	0.000	0.000	0.000
Current President's Budget	63.579	91.969	298.924	0.000	298.924
Total Adjustments	0.000	0.000	298.924	0.000	298.924
• 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	298.924	0.000	298.924
Change Summary Explanation					
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.					
FY 2026 (Current Year) to FY 2027 (Budget Year) funding increased by \$206.955 million, due to: \$124.798 million increase for Long Range Kill Chain test capability development; \$81.160 million increase for hypersonic ground test infrastructure; \$1.745 million increase for inflation \$0.754 million increase for test infrastructure corrections; \$1.503 million decrease of test and evaluation Hypersonics multi-year add; and \$0.001 million increase for Stargazer Withhold, baseline adjustments, balancers, and internal corrections.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
6606MR: Facility Sustainment-T&E Support	0.000	63.579	91.969	298.924	0.000	298.924	287.858	269.850	277.176	279.697	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605807F.

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 2025	FY 2026	FY 2027
Title: Facility sustainment at the 96TW	3.931	5.513	14.633
Description: Facility sustainment at the 96TW			
FY 2026 Plans: For FY 2026 Current Year, the 96TW is performing maintenance and repair work to support test facilities and improve building condition. Major projects include lifecycle repairs (HVAC, Plumbing, electrical, flooding issues, repair loose chilled water pipes and overstressed roof/wall/floor) in the Tactical Datalinks Test Lab; Floor replacement, roof , paint, electrical, and wall repair for multiple range facilities; McKinley Climatic Laboratory sustainment; and roof and boiler repair for the Sant Rosa Island range complex.			
FY 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
96TW FY 2027 Budget Year plans include roof repair, exterior envelope, and corrosion control for multiple test facilities; completion of a deferred HVAC project supporting range operations; generator upgrade; and multiple lifecycle HVAC, electrical, and plumbing repairs across the installation. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$9.120 million due to real property appropriation corrections and internal reprioritization.				
Title: Facility sustainment at the AEDC Description: Facility sustainment at the AEDC FY 2026 Plans: For FY 2026 Current Year, AEDC is performing 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. FY 2027 Plans: AEDC FY 2027 Budget Year plans include mechanical asset sustainment for 16T/4T, 16S, and HPA test facilities; tunnel 9 preventative maintenance; turbine mechanical and electrical maintenance; bus duct system repair; and B-Exhaust Plant Discharge Duct Asbestos Abatement and Leak Repair. Begin infrastructure projects to support Long Range Kill Web capability development. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased \$159.400 million due to real property appropriation corrections, internal reprioritization, and funding adds to develop Long Range Kill Chain test capabilities.		38.985	53.612	213.012
Title: Facility sustainment at the 412TW Description: Facility sustainment at the 412TW FY 2026 Plans: For FY 2026 Current Year, the 412TW is performing maintenance and repair work to support test facilities and improve building condition. Major projects include HVAC repair within the main aircraft maintenance hangar and Test Pilot School; automatic transfer switch repair at Ridley Mission Control; spray booth exhaust system repair; and a shielded enclosure study and execution at the Benefield Anechoic Facility. FY 2027 Plans:		20.663	32.844	71.279

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0605978F / <i>Facilities Sustainment - Test and Evaluation Support</i>	Project (Number/Name) 6606MR / <i>Facility Sustainment-T&E Support</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
412TW FY 2027 Budget Year plans include HVAC, roof, and paint projects for multiple test facilities.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased \$38.435 million due to real property appropriation corrections and internal reprioritization.			
Accomplishments/Planned Programs Subtotals	63.579	91.969	298.924

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 06 0606398F: <i>Management HQ - T&E</i>	8.081	7.417	7.507	-	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing
• RDTE 06 0605807F: <i>Test and Evaluation Support</i>	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing
• RDTE 06 0605976F: <i>Facilities Restoration and Modernization - Test and Evaluation Support</i>	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing
• RDTE 06 0604256F: <i>Threat Simulator Development</i>	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing
• RDTE 06 0604759F: <i>Major T&E Investment</i>	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing

Remarks

D. Acquisition Strategy

Acquisition Strategy not applicable to this PE.

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	30.774	45.786	21.678	0.000	21.678	32.316	32.838	33.392	34.069	Continuing	Continuing
666157: <i>Development Planning</i>	0.000	13.749	28.955	10.760	0.000	10.760	11.058	11.259	11.457	11.690	Continuing	Continuing
666158: <i>INTEGRATED SIMULATION AND ANALYSIS</i>	0.000	17.025	16.831	10.918	0.000	10.918	21.258	21.579	21.935	22.379	Continuing	Continuing

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 funds Modeling, Simulation and Analysis, requirement 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 translating Air Force Future Force Design into Acquisition activities 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.

In addition to traditional hardware and software, high-impact capabilities could include autonomy and Artificial Intelligence technologies that are stand-alone or embedded into specific, existing systems. They could also include broad enablers such as open architectures, digital infrastructure, test infrastructure, or simulation environments. Identified gaps and opportunities will be addressed through continued development in the Requirements Analysis & Concept Maturation program (PE 0604609F).

Program management support costs including, but not limited to, hardware, software, travel, contractor support services, civilian pay, supplies, facilities, and infrastructure.

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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PE 0606017F: *Requirements Analysis and Maturation* **UNCLASSIFIED** Page 2 of 11 R-1 Line #138 Volume 3 - 96

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0606017F I Requirements Analysis and Maturation	
- FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
666157: Development Planning	0.000	13.749	28.955	10.760	0.000	10.760	11.058	11.259	11.457	11.690	Continuing	Continuing
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 trade space attributes and mission engineering artifacts which will underpin Capability Development decisions.												
Program management support costs including, but not limited to, hardware, software, travel, contractor support services, civilian pay, supplies, facilities, and infrastructure.												
This program may include necessary civilian pay expenses required to manage, execute, and deliver Requirements Analysis and Maturation capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, 0605898F, and 0606398F.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027	
Title: Future Capability and Concept Analyses									13.749	10.955	10.760	
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 and aligned the most current force design 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 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 6		R-1 Program Element (Number/Name) PE 0606017F / Requirements Analysis and Maturation		Project (Number/Name) 666157 / Development Planning	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
FY 2026 Plans: - 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 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 - 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 - Continue efforts prioritized on force design. Examples include Autonomous Collaborative Platform Strategy, Weapons Portfolio Mix, and Counter C-C5ISR - 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 - Leverage market research and industry engagement aligned to 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 FY 2027 Plans: - Maintain current and future force design and threat in scenarios that are used for analysis - Conduct analysis aligned to demand signal, capability-based gap identification, and the scope of DOTMLPF-P in candidate design development to support acquisition decision development					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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 2025	FY 2026	FY 2027
- Continue efforts prioritized based on force design Examples include Autonomous Collaborative Platform Strategy, Weapons Portfolio Mix, and Counter C-C5ISRT - Collaborate across the joint force, Services and agencies in the analysis of candidate concepts and align candidate concepts into the larger force through mission integration and mission engineering - Identify and develop priority mission engineering threads for refinement and new builds for the next FY. Further 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 - Continue market evaluation of flexible, digital instantiations for CONOP/CONEMP evaluation for new concepts - Continue building infrastructure necessary for mission engineering thread development and use: software tool implementation, validation and verification methods for models, thread information application for industry - Continue to partner with FFRDC, UARC, industry and non-traditional vendors to document state of the practice, state of the art, technically possible/feasible, promising emerging technologies for investment for various problem statements and solution sets. Examples include Electronic Warfare analyses. - Continue the formation of a competition strategy across technology development organizations internal and external to the Air Force.					
FY 2026 to FY 2027 Increase/Decrease Statement:					
- FY 2027 funding decreased compared to FY 2026 by \$0.195 million due other higher Air Force priorities.					
Accomplishments/Planned Programs Subtotals			13.749	10.955	10.760
			FY 2025	FY 2026	
Congressional Add: Air Force Global Strike Command Innovation and Technology Transition			-	18.000	
FY 2026 Plans: -FY 2026 will fund existing contracts for \$17.000 million and a new OTA will be established with Cyber Innovation Center for \$1.000 million.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force						Date: April 2026
Appropriation/Budget Activity			R-1 Program Element (Number/Name)		Project (Number/Name)	
3600 / 6			PE 0606017F / Requirements Analysis and Maturation		666157 / Development Planning	
						FY 2025
-Worked with AFGSC to identify proper PE for execution. This funding will be re-aligned to PE 0606004F						
Congressional Adds Subtotals						- 18.000

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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
666158: INTEGRATED SIMULATION AND ANALYSIS	0.000	17.025	16.831	10.918	0.000	10.918	21.258	21.579	21.935	22.379	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Completed the transfer of all work and funding associated with the Secretary of the Air Force, Office of Studies and Analysis (SAF/SA) and the Chief Modeling and Simulation Officer (CMSO). This was accomplished through a two-phased budgetary reprogramming:

- In FY 2027, PE 0606017F, Requirements Analysis and Maturation, Project 666158, Integrated Simulation and Analysis efforts were transferred to PE 0901226F, Air Force Studies & Analysis Agency, Project 676009, (M&S Development), in order to realign funding and work associated with the Secretary of the Air Force, Office of Studies and Analysis (SAF/SA) and the Chief Modeling and Simulation Officer (CMSO).

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.

Program management support costs including, but not limited to, hardware, software, travel, contractor support services, civilian pay, supplies, facilities, and infrastructure.

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

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

	FY 2025	FY 2026	FY 2027
Title: Modeling, Simulation, Analysis, and Experimentation Ecosystem	17.025	16.831	10.918
Description: Develop enterprise capable, cross-domain system-of-systems modeling, simulation, and analysis capabilities to support development planning, capabilities assessment, and acquisition decisions.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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 2025	FY 2026	FY 2027
<i>FY 2026 Plans:</i> - 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). - 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. - 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. - Continue to invest in development planning for M&S activities driven by DAF M&S Senior Steering Committee and DAF M&S Council. - 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. - 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. - 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). - 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. - 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.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
- 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. FY 2027 Plans: -Continue to develop, enhance, and proliferate enterprise MS&A capabilities on behalf of the USAF and DAF (and Joint MS&A community through tool interoperability and reusability). - Continue to implement USAF Acquisition network for classified analysis while providing a production development environment with stable RDT&E investment to continually enhance capabilities. - Continue development of USAF Acquisition network for classified analysis 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. - Continue to enhance MS&A tools and enable M&S empowered wargaming, support secure data management and sharing, and develop advanced analytical methods required for tailored fidelity of battlespace environments. - Continued integration of Morpheus into the USW/R&E Joint Capability Development Environment providing integrated government cloud environment for Mission Engineering. - 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. FY 2026 to FY 2027 Increase/Decrease Statement: - FY 2027 funding decreased compared to FY 2026 by \$5.913 million to the elimination of the separate Concept Evaluation Thrust, with its associated activities and funding being integrated into the Future Capability Analyses Thrust. This decrease reflects a strategic realignment to optimize capability development areas and improve resource efficiency. - FY 2027 transferred all SAF/SA related work through a zero-base reprogramming from program element 06060617F to program element 0901226F \$9.640 million.				
Accomplishments/Planned Programs Subtotals		17.025	16.831	10.918

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

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>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	8.081	7.417	7.507	0.000	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing
6606TS: <i>Test and Evaluation Support</i>	0.000	8.081	7.417	7.507	0.000	7.507	7.643	7.803	7.966	8.131	Continuing	Continuing
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 War (DoW) 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.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	7.647	7.417	0.000	0.000	0.000
Current President's Budget	8.081	7.417	7.507	0.000	7.507
Total Adjustments	0.434	0.000	7.507	0.000	7.507
• 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	0.434	0.000	7.507	0.000	7.507

Change Summary Explanation

The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.

FY 2026 to FY 2027 net increase of \$0.090 million due to: \$0.791 million increase for baseline adjustments, Civ Pay Raise, Prior Year Actuals, Department of War Enhanced Performance Awards, and internal manpower adjustments; \$0.701 million decrease for retirement system contributions, average work year cost adjustments, internal adjustments, and government efficiencies.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support				R-1 Program Element (Number/Name) PE 0606398F I Management HQ - T&E								
FY 2026 Current Year was reduced by \$0.772 million and FY 2027 Budget Year was reduced by \$0.834 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 2025	FY 2026	FY 2027
Title: Air Force Test Center Civilian Pay										8.081	7.417	7.507
Description: Air Force Test Center (AFTC) management headquarters civilian pay												
FY 2026 Plans: For FY2026 Current Year, AFTC is funding management headquarters civilian pay.												
FY 2027 Plans: For FY2027 Budget Year, AFTC will continue to fund management headquarters civilian pay.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased 0.090 million due to: 0.791 million increase for baseline adjustments, Civ Pay Raise, Prior Year Actuals, Department of War Enhanced Performance Awards, and internal manpower adjustments; 0.701 million decrease for retirement system contributions, average work year cost adjustments, internal adjustments, and government efficiencies.												
Accomplishments/Planned Programs Subtotals										8.081	7.417	7.507
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• RDTE 06 0605807F: Test and Evaluation Support	936.479	1,113.371	1,802.502	-	1,802.502	2,014.089	1,916.972	1,794.451	1,627.512	Continuing	Continuing	
• RDTE 06 0605976F: Facilities Restoration and Modernization - Test and Evaluation Support	94.828	199.363	367.369	-	367.369	314.271	283.952	288.913	273.433	Continuing	Continuing	
• RDTE 06 0604256F: Threat Simulator Development	17.078	40.935	44.526	-	44.526	44.077	44.932	45.808	46.664	Continuing	Continuing	
• RDTE 06 0604759F: Major T&E Investment	65.962	157.959	235.405	-	235.405	239.201	228.106	232.407	240.045	Continuing	Continuing	
• RDTE 06 0605978F: Facilities Sustainment - Test and Evaluation Support	63.579	91.969	298.924	-	298.924	287.858	269.850	277.176	279.697	Continuing	Continuing	
Remarks												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0606398F <i>I Management HQ - T&E</i>
E. Acquisition Strategy Acquisition Strategy is not applicable to this PE.		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0208201F I Offensive small Unmanned Aircraft Systems (sUAS)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	4.917	30.187	0.000	30.187	30.168	134.731	134.763	134.896	Continuing	Continuing
660192: St System Development	0.000	0.000	4.917	30.187	0.000	30.187	30.168	134.731	134.763	134.896	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

(U) The Offensive small Unmanned Aircraft System (O-sUAS) program fills critical capability gaps by rapidly generating 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 O-sUAS strategy and force-present emerging systems, including exquisite, attritable, and expendable platforms for collaborative operations within permissive, contested, and denied environments.

This Program received \$58.6 million due to a Rapid Acquisition Authority adjudicated requirement in FY2025 as a result of a classified Urgent Operational Need.

The FY2026 spend plan amount for RDT&E includes \$4,917 thousand of discretionary and \$12,000 thousand of mandatory (reconciliation) for a total of \$16,917 thousand.

Items requested in FY2027 are representative of but not limited to 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 prioritize funding as necessary to meet current 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. Commercial off-the-shelf (COTS) hardware and software solutions will be leveraged when able to meet the technical needs of implementing O-sUAS and Command and Control (C2) capabilities in operational environments when applicable. Software will support a wide variety of sUAS, targeting, radio systems and other emerging systems to be employed by AFSPECWAR, SOF, and other Air Force users in the future. Technical maturation efforts will be necessary to maintain interoperability with conventional joint force capabilities including but not limited to joint fire support systems and emerging data networking waveforms. Software upgrades will provide a modular architecture for platforms, digital communications, messaging, data handling, hardware management, targeting, and battle space awareness capabilities. Key characteristics of hardware and software fielding activities will be the agile configuration and development of Modular and Open Systems architectures that will enable rapid integration with new end user devices (such as sensors, laser range finders, radios, Full Motion Video (FMV), targeting and laptops/hand held computing devices, and tactical gateways) and rapid development, testing and fielding of new mission capability modules to meet immediate and future requirements. O-sUAS elements will be aligned and integrated with the Advanced Battle Management System to ensure synergy of effort.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0208201F I Offensive small Unmanned Aircraft Systems (sUAS)				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. In FY2026 \$0.949 million was expended for civilian pay expenses in this program element, and in FY2027 \$5.000 million is forecast 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	4.985	0.000	0.000	0.000
Current President's Budget		0.000	4.917	30.187	0.000	30.187
Total Adjustments		0.000	-0.068	30.187	0.000	30.187
• 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	-0.068			
• Other Adjustments		0.000	0.000	30.187	0.000	30.187
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Offensive sUAS				-	4.917	30.187
Description: O-sUAS platforms operationalized by enabling capabilities, to include but not limited to Joint All-Domain Command and Control (JADC2), will be leader-centric, network-enabled, and ready to operate in complex and degraded information environments. Funding supports O-sUAS hardware and software, to include but not limited to aircraft, autonomy, payloads, weapons, interfaces with new requirements, evolution of existing Tactical Assault Kit (TAK)/SWAK software which provides a framework for the AFSPECWAR software interfaces, new USAF and JADC2 capabilities, and Electro-Magnetic Spectrum (EMS).						
FY 2026 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0208201F <i>I Offensive small Unmanned Aircraft Systems (sUAS)</i>	

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Continue planning activities, Request for Proposal release, contract award, and other program support costs. After award, begin agile software development to integrate aircraft configurations within Offensive sUAS. FY 2027 Plans: Continue planning activities, Request for Proposal release, contract award, and other program support costs for Groups 1-3. Continue agile software development to integrate aircraft configurations with O-sUAS. FY2027 plans to build out derived infrastructure for test and integration at the component level and small UAS communications relay systems. FY 2026 to FY 2027 Increase/Decrease Statement: FY2027 funding increased compared to FY2026 by \$25.270 million. FY2026 base of \$4.917 million increased to \$30.187 million in FY2027 due to ramp up of software development and buildup of derived infrastructure for test and integration.			
Accomplishments/Planned Programs Subtotals	-	4.917	30.187

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 06 0207238F: <i>Battlefield Airborne Comm Node</i>	6.015	-	-	-	-	-	-	-	-	0.000	6.015
• APAF 05 0207146F: <i>F-15EX</i>	28.000	-	-	-	-	-	-	-	-	0.000	28.000
• OPAF 03 838010: <i>Comm Elect Mods</i>	24.585	-	-	-	-	-	-	-	-	0.000	24.585

Remarks
 This Program received \$58.6 million due to a Rapid Acquisition Authority adjudicated requirement in FY2025.

E. Acquisition Strategy
 N/A - BA 6

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	38.161	61.447	18.068	0.000	18.068	16.322	11.585	12.043	12.286	Continuing	Continuing
664620: NC3 Enterprise Center	0.000	38.161	61.447	18.068	0.000	18.068	16.322	11.585	12.043	12.286	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

USSTRATCOM received a \$25.785 million dollar Congressional add to maintain a collaborative network capability in support of the NC3 Enterprise Center (NEC) Research Engineering and Architecture Collaboration Hub (REACH) in FY 2026.

USSTRATCOM received a \$11.0 million dollar Congressional add in FY 2026 to conduct an NC3 network sensor demonstration.

A. Mission Description and Budget Item Justification

Department of War (DoW) tasked United States Strategic Command (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 DoW face in today's environment. Leveraging built-in tools and DoW/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 War (DoW) 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."

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM				
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		39.607	15.662	0.000	0.000	0.000
Current President's Budget		38.161	61.447	18.068	0.000	18.068
Total Adjustments		-1.446	45.785	18.068	0.000	18.068
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		20.000	45.785			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-1.446	0.000			
• Other Adjustments		-20.000	0.000	18.068	0.000	18.068
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 664620: NC3 Enterprise Center						
Congressional Add: NC3 Enterprise Center REACH						
Congressional Add: NC3 Network Sensor Demonstration						
Congressional Add: T&E Adv Electromagnetic Warfare Technologies						
Congressional Add Subtotals for Project: 664620						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY25: SBIR Reduction (-\$1.446M) // Cong Adjust Withhold (-\$19.270M) // SBIR Cong Adjust Withhold (-\$0.730M)						
FY26: Cong Add (\$45.785M)						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: NC3 Systems Engineering and Assessments				17.088	10.566	12.949
Description: Maintain NC3 Systems Engineering and Assessment Capability						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0303255F <i>I Command, Control, Communication, and Computers (C4) - STRATCOM</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
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 2027 Plans: Cost Savings are reflected based on USSTRATCOM's impact from the PDM I reductions in OSD Service Contracts and FFRDC reductions. Reductions will continue to adversely affect the NC3 efforts identified in the below FY27 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.				
FY 2026 to FY 2027 Increase/Decrease Statement: Operational costs reflect a slight increase from FY26 to FY27 to maintain necessary NC3 engineering and assessments support. However, overall cost savings are reflected based on historic execution due to USSTRATCOM's reductions in OSD Service Contracts and FFRDC reductions.				
Title: Classified Description: Distributed Command and Control FY 2026 Plans: Supports the Distributed Command and Control System at USSTRATCOM Headquarters and remote locations.		0.000	4.000	4.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0303255F <i>I Command, Control, Communication, and Computers (C4) - STRATCOM</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
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 at (202) 404-3405. This is in cooperation with DISA and OSD Policy. FY 2027 Plans: Provide support for the Distributed Command and Control System at USSTRATCOM Headquarters and remote locations. FY 2026 to FY 2027 Increase/Decrease Statement: Operational costs for this requirement reflect no increase nor decrease from FY2026 to 2027. Funds remain static through the fiscal years.				
Title: Strategic Mission Research and Development Effort Description: Supports the USSTRATCOM assigned UCP missions -NC3 Watch Floor (Global Operations Center), DoW 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 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 2027 Plans: -Continue to create, support 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 2026 to FY 2027 Increase/Decrease Statement: The NC3 Enterprise Center reflect a slight increase due an Reprogramming NDO Balance to support NC3 systems, engineering and assessment functions.		1.073	1.096	1.119
Accomplishments/Planned Programs Subtotals		18.161	15.662	18.068

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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 2025	FY 2026
Congressional Add: NC3 Enterprise Center REACH FY 2025 Accomplishments: \$9.65M 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. Develop and implement secure solutions as well as high performance computing, 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. FY 2026 Plans: The approximately \$26M for the NC3 Enterprise Center (REACH) will Support PIA operations to include design and build of REACH collaborative networks and IT infrastructure such as RAPID-MLS and other supporting systems. 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. Develop and execute proof of concept applying modeling, simulation, and analysis in support of NC3 modernization and technology transfer. Approximately \$20M will work under existing Partnership Intermediary Agreement (PIA) FA8730-21-3-8900, with Nebraska Defense Research Corporation (NDRC). One or more Collaborative Project Orders (CPO) will be issued under the PIA to address the scope of PIA effort. Efforts will include completion of RAPID core services as well as connection and interface with extended government networks as available. Approximately \$6M to multiple government agencies for circuits, engineering, and related communications services. No other FAR-based contracts are anticipated under this effort.		10.000	25.785
Congressional Add: NC3 Network Sensor Demonstration FY 2025 Accomplishments: \$9.635M 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 Monitoring. Support supply chain verification, root cause analysis, and related security program objectives in support of Cyber Instrumentation Pilot and/or Sensing and Monitoring. FY 2026 Plans: The approximately \$11M will support system instrumentation, cybersecurity monitoring, analytics, reporting, training, and Cyber Team Assessments as part of Cyber Instrumentation Pilot and/or Sensing and Monitoring.		10.000	11.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force						Date: April 2026					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support				R-1 Program Element (Number/Name) PE 0303255F I Command, Control, Communication, and Computers (C4) - STRATCOM							
				FY 2025	FY 2026						
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 Monitoring. Support supply chain verification, root cause analysis, and related security program objectives in support of Cyber Instrumentation Pilot and/or Sensing and Monitoring.											
Approximately \$11M will be obligated via MIPR through a combination of an existing and new project orders, contract vehicles with John Hopkins University, Navy and United States Naval Observatory.											
Congressional Add: T&E Adv Electromagnetic Warfare Technologies				-	9.000						
FY 2026 Plans: Funds will support the overall objective to test and evaluate advanced, modular Electromagnetic Warfare (EW) capabilities that conform with the Modular Open Systems Approach (MOSA).											
-Assess these capabilities against realistic threats in a representative environment											
-Use findings to inform development, guide acquisitions, and accelerate the fielding of advanced JEMSO capabilities											
-Provide venue to mature and reduce fielding risk for promising capabilities that may not be evaluated otherwise											
-Leverage over \$200M in previous investments in advanced capabilities, MOSA, and experimentation events											
Congressional Adds Subtotals				20.000	45.785						
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 0303255F: STRATCOM C4	4.797	4.788	4.976	-	4.976	5.090	5.194	5.278	5.384	Continuing	Continuing
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 2027 Air Force **Date:** April 2026

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 0308602F / <i>ENTEPRISE INFORMATION SERVICES (EIS)</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	104.232	115.119	80.342	0.000	80.342	104.946	107.426	109.909	112.554	Continuing	Continuing
6622P1: <i>Platform One</i>	0.000	95.251	108.793	75.145	0.000	75.145	100.281	102.672	105.063	107.611	Continuing	Continuing
66ACSI: <i>Acquisition and Command Support Integration</i>	0.000	8.981	6.326	5.197	0.000	5.197	4.665	4.754	4.846	4.943	Continuing	Continuing

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, and Security and Operations (DevSecOps) initiatives. EIS provides Air Force personnel access to, and management of, timely, accurate, and trusted mission data, information, and knowledge to support 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 Air Force mission applications. P1 provides access to a cyber-secure software supply chain and an existing, accredited DevSecOps infrastructure reusable by Department of War (DoW) programs that accelerate widespread adoption of DevSecOps methodologies in accordance with DoW Digital Modernization strategy. ERP-CS provides the common services for Enterprise Resource Planning (ERP) applications in the target Department of the Air Force (DAF) Cloud environment for DAF ERP systems. P1 and ERP-CS acquisitions are critical to provide common services across multiple hosting environments leveraging DoW and DAF brokered commercial cloud capabilities that comply with the Air Force Information Technology (AF IT) baselines.

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

FY2026 request was reduced by 0.891 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 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		PE 0308602F I ENTEPRISE INFORMATION SERVICES (EIS)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	104.133	101.779	0.000	0.000	0.000
Current President's Budget	104.232	115.119	80.342	0.000	80.342
Total Adjustments	0.099	13.340	80.342	0.000	80.342
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	14.500			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	3.000	0.000			
• SBIR/STTR Transfer	-2.901	-1.160			
• Other Adjustments	0.000	0.000	80.342	0.000	80.342
Congressional Add Details (\$ in Millions, and Includes General Reductions)					
Project: 6622P1: Platform One				FY 2025	FY 2026
Congressional Add: Cloud One and Data Mesh				-	8.000
Congressional Add: Mission Critical Secure Collaboration Solution				-	6.500
Congressional Add Subtotals for Project: 6622P1				-	14.500
Congressional Add Totals for all Projects				-	14.500
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
6622P1: Platform One	0.000	95.251	108.793	75.145	0.000	75.145	100.281	102.672	105.063	107.611	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 Department of War (DoW) 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 in accordance with DoW 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.

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

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

	FY 2025	FY 2026	FY 2027
Title: Platform One-LS	95.251	94.293	75.145
Description: P1 is the DoW Chief Information Officer'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.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
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 2025	FY 2026
FY 2026 Plans: FY2026 centrally funds core Platform One (P1) services that enable continuous delivery of software capabilities through secure, tailorable and agile software factory services, tools, and standards. These services include but are 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; Infrastructure as Code (IaC) tailorable and deployable to unclassified and classified operational environments; real-time security implementation and monitoring that expedites the initial and routine compliance assessments of the Risk Management Framework (RMF). FY2026 focus areas include, but not limited to: - Integrate data feeds informing assessments of software within Iron Bank to increase software supply chain insights across the Department of War (DoW) and Defense Industry Base (DIB). - Develop additional distributions of the Big Bang platform to proliferate simplified deployments tailored to Artificial Intelligence/ Machine Learning (AI/ML), Data Operations (DataOps), and other emerging use cases. - Develop, integrate, and deliver increased automation and self-service options within the Big Bang platform available to all downstream consumers. - Integrate and operate collaboration tools for software development and operational communities. - Onboard new DevSecOps solutions, tools, and vendors to the pre-evaluated Marketplace to reduce acquisition timelines across the DoW. In addition, FY2026 funds inflationary costs associated with P1 Development, Security, and Operations labor contracts. FY 2027 Plans: FY2027 will centrally fund core P1 services that will enable continuous delivery of software capabilities through secure, tailorable and agile software factory services, tools, and standards. These services will include but are 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; Infrastructure as Code (IaC) tailorable and deployable to unclassified and classified operational environments; real-time security implementation and monitoring that expedites the initial and routine compliance assessments of the Risk Management Framework (RMF). FY2027 focus areas will include, but are not limited to:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
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 2025	FY 2026	FY 2027
- Will continue to research, develop, and standardize data feeds to enable an informed software supply chain analysis of commercial and open-source software. - Will continue development of cluster multi-tenancy feature additions will enable the separation of appropriately tagged data, enabling Development, Security and Operations (DevSecOps) compatibility for special access program requirements. - Will continue enhancement and support of multi-tenant DevSecOps platform-as-a-service. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding decreased compared to FY 2026 to realign Edge Operations (EdgeOps) requirements based on maturity of underlying tools/technologies and rephasing of requirements to support Department of the Air Force (DAF) Cyber priorities.						
Accomplishments/Planned Programs Subtotals				95.251	94.293	75.145
				FY 2025	FY 2026	
Congressional Add: Cloud One and Data Mesh				-	8.000	
FY 2026 Plans: - Develop and integrate real-time data scoring of software containers by improving data storage/tagging/access models.						
Congressional Add: Mission Critical Secure Collaboration Solution				-	6.500	
FY 2026 Plans: - Develop and integrate expanded secure chat capabilities to provide real-time operational coordination.						
- Continue development of ChatOps infrastructure ensuring a reliable, secure, and scalable system. - Continue providing technical assistance for mission teams adopting the Platform One services.						
Congressional Adds Subtotals				-	14.500	
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						
N/A						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 6	R-1 Program Element (Number/Name) PE 0308602F / ENTERPRISE INFORMATION SERVICES (EIS)	Project (Number/Name) 6622P1 / Platform One
D. Acquisition Strategy N/A		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
66ACSI: Acquisition and Command Support Integration	0.000	8.981	6.326	5.197	0.000	5.197	4.665	4.754	4.846	4.943	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 War (DoW) Joint Information Environment (JIE) compliant DAF enterprise cloud hosting environments.

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

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

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

	FY 2025	FY 2026	FY 2027
Title: Enterprise Resource Planning Common Services	8.981	6.326	5.197
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, Advisory and Assistance Services (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 2026 Plans: - Develop and deliver 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 DoW Chief Information Officer. - Develop and deliver updates for the established common services ensuring support is in place for DAF ERPs migrating to the Oracle Cloud Infrastructure (OCI). - Develop and deliver Financial Operations (FinOps) capabilities to improve cost tracking, cloud optimization, and reporting.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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) - Develop and integrate compliance monitoring, logging, and audit readiness capabilities supporting Department of the Air Force (DAF) Financial Improvement and Audit Readiness (FIAR) requirements. - Integrate DAF Identity, Credential, and Access Management (ICAM) solutions to enable Mission Partners zero trust requirements. - Develop and integrate an Enterprise Automation capability enabling automated provisioning of cyber compliant Oracle Cloud environments. FY 2027 Plans: - Continue providing common services in IL4 environment. - Continue providing support for the migration/deployment of the Maintenance, Repair, and Overhaul (MRO) development, test integration & production instances to the Enterprise Resource Planning Common Services (ERP-CS) environments. - Continue implementation of service provider FIAR controls. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding decreased compared to FY 2026 to account for requirements transitioning from development to operations/maintenance and adjust to DAF Enterprise Resource Planning (ERP) strategy changes reducing development requirements.		FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals		8.981	6.326	5.197
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 2027 Air Force **Date:** April 2026

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 0702806F <i>I Acquisition and Management Support</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	19.823	25.359	12.132	0.000	12.132	12.442	12.695	12.953	13.085	Continuing	Continuing
66ACSI: <i>ACQ and Command Support Integration</i>	0.000	19.823	25.359	12.132	0.000	12.132	12.442	12.695	12.953	13.085	Continuing	Continuing

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.

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 programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY25 0M was expended for civilian pay expenses in this program element, and in FY26 0M is forecasted for civilian pay expenses in this program element.

Approximately 300K in FY27 was saved in the "acquisition mandates" program as a result of Executive Order #14222 by eliminating a research requirement for Potomac Institute for Policy Studies and reducing reporting by the contractor for a RAND contract.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0702806F I Acquisition and Management 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		25.216	22.670	0.000	0.000	0.000
Current President's Budget		19.823	25.359	12.132	0.000	12.132
Total Adjustments		-5.393	2.689	12.132	0.000	12.132
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	2.689			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-5.393	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	12.132	0.000	12.132
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 66ACSI: ACQ and Command Support Integration				FY 2025	FY 2026	
Congressional Add: Operational Cybersecurity Training Centers				-	2.689	
Congressional Add Subtotals for Project: 66ACSI				-	2.689	
Congressional Add Totals for all Projects				-	2.689	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
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			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
66ACSI: ACQ and Command Support Integration	0.000	19.823	25.359	12.132	0.000	12.132	12.442	12.695	12.953	13.085	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note												
In FY27, PE 63790F, (NATO Coop R&D), PE 64759F, (AF Test Investments) efforts were transferred to PE 72806F, (Acquisition Command Support), to support the Air Force Enterprise Risk Management System.												
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 2025	FY 2026	FY 2027	
Title: Acquisition Mandates									1.543	1.578	1.460	
Description: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.												
FY 2026 Plans: Supporting Congressional, SECDEF, and SECAF mandates. Program funding provides the framework for Air Force business and acquisition.												
FY 2027 Plans: These funds will be used to fund RAND studies in support of our industrial base.												
FY 2026 to FY 2027 Increase/Decrease Statement:												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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 2025	FY 2026	FY 2027
Increase is due to applied escalation.					
Title: Acquisition Management in support of PEO Business Enterprise Systems Description: Funds DAF IT test network, enterprise solutions in support of DAF business solutions, and PEO early acquisition planning and testing activities. Provides funding for network operations necessary to maintain Gunter DAF IT Test Base responsible for testing of critical software patches prior to DAF-wide release. Supports early lifecycle planning and business capability acquisition expertise, leveraging adaptive concepts for emerging solutions. Funds critical enterprise-wide requirements, including research licenses, workforce training, and analytical support, to directly enable SECAF and SAF/AQ priorities. FY 2026 Plans: Funding will be allocated to PEO BES network operations delivering critical network management and pre-release testing of software patches prior to deployment to DAF. Enables PEO to effectively manage its portfolio of enterprise applications through funding of workforce training and acquisition support. FY 2027 Plans: Funding will be allocated to PEO BES network operations, early acquisition planning, and enterprise-wide initiatives to align DAF business systems with strategic priorities. FY 2026 to FY 2027 Increase/Decrease Statement: Increase is to support a backlog of requirements for PEO/BES. This was under funded in previous years.			3.574	3.637	9.842
Title: Technical and Analytical Support 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. FY 2026 Plans:			0.000	2.220	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
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 2025	FY 2026	FY 2027
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 2027 Plans: The 3600 funds were realigned to 3400. This effort is fully transitioning to sustainment. FY 2026 to FY 2027 Increase/Decrease Statement: Reduction was a result of realigning the funds to 3400. Program is moving to sustainment.				
Title: Project Management Resource Tools (PMRT) Description: Upgrade enterprise PMRT tools that provide program/project resource management support to the Acquisition community. FY 2026 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 2027 Plans: The 3600 funds were realigned to 3400. This effort is fully transitioning to sustainment. FY 2026 to FY 2027 Increase/Decrease Statement: Reduction was a result of realigning the funds to 3400. Program is moving to sustainment.		0.000	1.542	0.000
Title: Capabilities Integration Environment (CIE) 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. FY 2026 Plans: No requirements in FY26. FY 2027 Plans: Program was terminated. There are no funds after FY25.		0.000	0.000	0.000
Title: USAF Artificial Intelligence Accelerator at MIT		14.706	13.693	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
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 2025	FY 2026	FY 2027
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. FY 2026 Plans: Continue to support AF artificial intelligence initiatives. FY 2027 Plans: There are no funds in FY27. Funds were redirected to higher priority initiatives. FY 2026 to FY 2027 Increase/Decrease Statement: Funds were redirected to higher priority initiatives.					
Title: Air Force Enterprise Risk Management System Description: The Air Force's Enterprise Risk Management System is facilitated by the Risk Management Internal Control (RMIC) Program, which helps identify, monitor, and report risks affecting its strategic, operational, and compliance objectives. The system aligns with Office of Management and Budget (OMB) Circular No. A-123 and Department of the Air Force (DAF) Instruction 65-201, supporting governance structures like the Risk Management Council. The goal of the RMIC program is to ensure Airmen and Guardians are supported by effectively managed internal controls to achieve the DAF's mission and objectives. FY 2026 Plans: This requirement will not start until FY27. FY 2027 Plans: Plan to enhance the tool's capabilities to support FIAR compliance. FY 2026 to FY 2027 Increase/Decrease Statement: Funds were added in FY27 to support enhancements to the risk tool.			0.000	0.000	0.830
Accomplishments/Planned Programs Subtotals			19.823	22.670	12.132
			FY 2025	FY 2026	
Congressional Add: Operational Cybersecurity Training Centers			-	2.689	
FY 2026 Plans: Plan to support a cybersecurity training center.					
Congressional Adds Subtotals			-	2.689	

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

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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.797	1.675	0.238	0.000	0.238	0.286	0.334	0.327	0.136	Continuing	Continuing
665297: <i>Technical Training Information</i>	0.000	0.797	1.675	0.238	0.000	0.238	0.286	0.334	0.327	0.136	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): TTMS provides the Air Education and Training Command (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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.828	1.698	0.000	0.000	0.000
Current President's Budget	0.797	1.675	0.238	0.000	0.238
Total Adjustments	-0.031	-0.023	0.238	0.000	0.238
• 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	-0.031	-0.023			
• Other Adjustments	0.000	0.000	0.238	0.000	0.238

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

	FY 2025	FY 2026	FY 2027
Title: Technical Training Management System (TTMS)	0.797	1.675	0.238

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0804776F I Advanced Distributed Learning		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Description: Provided TTMS productivity enhancements and higher degree of efficiency to AETC (i.e., Military Training Leader and Basic Training Management System).				
FY 2026 Plans: Continue TTMS development				
FY 2027 Plans: Continue TTMS development.				
FY 2026 to FY 2027 Increase/Decrease Statement: Decrease reflects program requirements.				
Accomplishments/Planned Programs Subtotals		0.797	1.675	0.238
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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0901215F I Productivity Investments							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	4.017	0.000	4.017	4.014	4.011	4.008	4.090	Continuing	Continuing
66ACSI: ACQ and Command Support Integration	0.000	0.000	0.000	4.017	0.000	4.017	4.014	4.011	4.008	4.090	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 6, PE 0901215F, project 66ACSI, Physics-based Machine Learning Methodologies for Generative Design, is a new start.

A. Mission Description and Budget Item Justification

The AI Studio shapes research, requirements, and realization to scale AI and autonomy within the DAF. Studio members identify critical bottlenecks in DAF operations and convert them into well-defined technical problems. Those problems are then solved through pioneering research in AI, autonomy, and efficient computing or through new applications of existing, state-of-the-art commercial technologies. The Studio partners with industry and academia to rapidly prototype, test, and field solutions that deliver measurable strategic advantages. The Studio is the Air Force Pathfinder's vanguard project in deploying in connecting its network of bespoke talent to solve the Air Force's technical problems. It's manning and talent development program, which helps to create PhD and Master's-level engineering expertise, is managed by and through the Pathfinder program.

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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	4.017	0.000	4.017
Total Adjustments	0.000	0.000	4.017	0.000	4.017
• 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	4.017	0.000	4.017

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0901215F / <i>Productivity Investments</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Physics-based Machine Learning Methodologies for Generative Design Description: This initiative advances next-generation aerial vehicle design and autonomy by integrating physics-based machine learning (PBML) with generative and foundation model (FM) approaches. Traditional generative design excels in commodity applications but fails to capture the complex aerodynamic, structural, and signature requirements of aerospace systems. By embedding governing physics into ML models, we will deliver accelerated, lower-dimensional tools that preserve fidelity while reducing computational burden—enabling rapid, mission-relevant design exploration of attritable aerial vehicles. Next, we will develop resilient autonomy for low-SWaP (Size, Weight, and Power) and attritable aerial vehicles. FMs promise Level 5 autonomy in automotive applications as they enable commonsense decision-making by leveraging human knowledge inferred from internet-scale data. However, safety is paramount. Our research will advance the application of FMs to the aerial domain, developing frameworks that judiciously introduce FMs in the autonomy stack. This research will also incorporate reachability theory and AI safety validation frameworks to ensure FM-enabled autonomy meets DoD operational standards. Finally, we will address resource efficiency. PBML generative design and FM autonomy models are computationally intensive, often requiring billions of parameters. We will pursue GPU optimization, model distillation, pruning, and hardware-software co-design to achieve real-time execution under the size, weight, power, and cost constraints critical for DoD systems. This program delivers transformative design and autonomy capabilities while aligning with priorities for efficiency, safety, and operational readiness in future aerial systems. FY 2026 Plans: N/A. FY 2027 Plans: In FY27, we will lay the technical and organizational foundation for this program across three integrated thrusts: physics-based generative design, FM-enabled autonomy, and efficient AI computing. 1. Physics-Based Generative Design (PBML-GD): Develop model hierarchies to balance fidelity and efficiency in aerodynamic, structural, and signature simulations. Launch efforts to embed governing physics directly into ML models to ensure design outputs are operationally relevant.		-	0.000	4.017

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0901215F <i>I Productivity Investments</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Begin construction of a generative design language model framework to translate mission-level requirements into candidate air vehicle concepts. 2. Generative AI for Autonomy: Initiate design of FM-backed autonomy stacks for low-SWaP (Size, Weight, and Power) and attritable vehicles, with an emphasis on modular architectures. Begin simulation-first training pipelines by creating photorealistic static 3D environments to support autonomy policy development. Establish initial safety guardrails using neural reachability methods to provide design-time safety assurances. 3. Efficient AI Computing: Optimize existing CFD and PBML solvers for GPU execution to accelerate design iteration and dataset generation. Begin model distillation and pruning methods to reduce FM size for real-time performance on edge processors. Start developing hardware-aware algorithmic optimizations to ensure scalability to future low-SWaP autonomous platforms. FY 2026 to FY 2027 Increase/Decrease Statement: FY27 New Start.				
Accomplishments/Planned Programs Subtotals		-	0.000	4.017
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy TPS is partnering with the Studio and Stanford to train test pilots and engineers to : 1. apply data science to flight testing, 2. validate autonomous systems, and 3. lead RDT&E organizations to effectively manage risk and innovation in a competitive environment. TPS and the Studio cooperate on in-kind curriculum development, instruction, training, personnel exchange, and flight test resource support. The partnership will save TPS \$12M over the FYDP and graduate 400 students.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0909999F I Financing for Cancelled Account Adjustments							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.787	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.787
664277: Financing for Canceled Account Adj	0.000	0.787	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.787
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Financing for Cancelled Account Adjustment.

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 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.787	0.000	0.000	0.000	0.000
Total Adjustments	0.787	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	0.787	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

Funds were required for payment of cancelled year validated invoices

<u>C. Accomplishments/Planned Programs (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>
<i>Title:</i> Financing for Cancelled Account Adjustment	0.787	-	-
<i>Description:</i> Funds were required for payment of cancelled year validated invoices.			
Accomplishments/Planned Programs Subtotals	0.787	-	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0909999F I Financing for Cancelled Account Adjustments
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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	4.098	4.368	4.514	0.000	4.514	4.592	4.679	4.767	4.863	Continuing	Continuing
664645: International Cooperative Research & Development	0.000	4.098	4.368	4.514	0.000	4.514	4.592	4.679	4.767	4.863	Continuing	Continuing
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 War (DoW) 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 349 current air, space, and cyber bilateral and multilateral IAs that leverages \$25,300,000.00+ from 46 different partner nations. IAs 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. Included in this budget are: air, space, and cyber IAC 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 2027 Air Force				Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		4.254	4.430	0.000	0.000	0.000
Current President's Budget		4.098	4.368	4.514	0.000	4.514
Total Adjustments		-0.156	-0.062	4.514	0.000	4.514
• 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		-0.156	-0.062			
• Other Adjustments		0.000	0.000	4.514	0.000	4.514
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: International Partnership Activities				0.890	0.890	0.890
Description: Advocate, develop, and support Department of the Air Force (DAF) activities, goals, and objectives to build global partnerships in support of national security objectives and the National Defense Strategy through International Armaments Cooperation (IAC) agreements. Funds DAF participation in NATO forums to promote harmonization and interoperability. Funds DAF support and participation in Department of War (DoW) 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 2026 Plans:						
CY 2026 focus is on enhancing existing and building stronger relationships with Australia, Canada, France, Germany, India, Israel, Japan, Netherlands, New Zealand, Singapore, South Korea, Sweden, and UK. Funds DAF efforts to establish IAC relationship with emerging partners IAW national security goals and objectives.						
FY 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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)		FY 2025	FY 2026	FY 2027
Continue efforts started in FY 2026 to sustain and expand global partnerships and enhancing mutually beneficial partnerships between the United States and coalition partners and strategic partners to meet current and future global strategic challenges by ensuring optimum interoperability.				
FY 2026 to FY 2027 Increase/Decrease Statement: N/A				
Title: International Armaments Cooperation Agreement Activities Description: Identify, develop, process, negotiate, conclude, and implement bilateral and multilateral International Armaments Cooperation (IAC) Agreements that meet the goals, objectives, and mission of the Department of the Air Force (DAF) and Department of War (DoW). IAC activities provide the DAF access to new: 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; hypersonic systems; collaborative combat aircraft: 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; manned aircraft; 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, upgrades, and modifications. FY 2026 Plans: FY 2026 is focused on identifying, developing, negotiating, and concluding over 90 bilateral and multilateral IAC agreements that met the goals, objectives, and mission of the DAF and DoW in the air, space, and cyber domains. Continue development and negotiations on IAs not concluded in 2025. New IAs were pursued IAW DAF, DoW, and NDS goals and objectives. FY 2027 Plans: Identify, develop, process, negotiate, conclude, implement, and manage, new bilateral and multilateral IAC agreements that met the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber domains. FY 2026 to FY 2027 Increase/Decrease Statement:		2.708	2.978	3.124

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026									
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 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)		FY 2025	FY 2026	FY 2027							
Increase of \$27K from FY 2026 will allow the Department of the Air Force to identify, develop, and negotiate more IAs in FY 2027.											
Title: Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP) Description: Oversight, program execution, program management, and selection of Engineer and Scientist Exchange Program (ESEP) and Administrative and Professional Exchange Program (APEP) Agreements with partner governments. Military and civilian personnel from Department of the Air Force (DAF) Command, Research 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 Research, Development, Test and Evaluation (RDT&E) facilities. FY 2026 Plans: Provided program management and support of current and future ESEP and APEP personnel placements in foreign or DAF facilities. FY 2027 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 2026 to FY 2027 Increase/Decrease Statement: N/A		0.500	0.500	0.500							
Accomplishments/Planned Programs Subtotals		4.098	4.368	4.514							
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOO</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 06 1001004F: <i>International Activities</i>	0.000	0.000	-	-	-	-	-	-	-	0.000	0.000
Remarks There is no other programed 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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604222F I Nuclear Weapons Support							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	10.029	0.000	10.029	10.060	0.000	0.000	0.000	Continuing	Continuing
674237: EMP Certification	0.000	0.000	0.000	10.029	0.000	10.029	10.060	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Program is not a New Start and is a continuation of EMP efforts identified under Program 0604222F Project 654807, Nuclear Effects. Efforts moving from BA05 to BA07

A. Mission Description and Budget Item Justification

This program executes and provides technical and programmatic support to the testing, evaluation, and mitigation of effects of nuclear weapon employment that impact Department of Air Force (DAF) systems with initial emphasis on existing nuclear weapons, their delivery systems, and associated communications systems. It includes facilities and equipment required to perform testing, risk assessments, and evaluation of the effectiveness to various mitigation strategies. It includes storage and analysis of test data for extrapolation and fleet hardness reporting/documentation. This program will recommend upgrades to existing/fielded systems as well as informing requirements for future (modernization/recapitalization) systems.

Program is not a New Start and is a continuation of EMP efforts identified under Project 654807, Nuclear Effects. In FY 2027, Program 0604222F, Nuclear Weapons Support, Project 654807, Nuclear Weapon System Technology and Integration, Nuclear Weapons Effects, Electromagnetic Pulse (EMP) efforts were transferred to Program 0604222F, Nuclear Weapons Support, Project 674237, Electromagnetic Pulse (EMP), to provide better clarity and tracking for the EMP survivability program.

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.

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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0604222F I Nuclear Weapons Support				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.000	0.000	0.000	0.000	0.000	
Current President's Budget	0.000	0.000	10.029	0.000	10.029	
Total Adjustments	0.000	0.000	10.029	0.000	10.029	
• 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	10.029	0.000	10.029	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Electromagnetic Pulse (EMP)				0.000	0.000	10.029
Description: Provide technical and programmatic support required to test, evaluate, and mitigate Electromagnetic Pulse (EMP) impacts across all DAF systems with initial emphasis on existing nuclear weapons, their delivery systems, and associated communications systems. Coordinate with Lead Commands, PEOs, and program offices to prioritize assets for EMP testing across the DAF, incorporating new data as available. Work with mission owners to develop mitigations when required and to ensure EMP Survivability requirements are being met. Create and maintain the EMP Survivability Database as the appropriate repository for EMP Survivability test data, making data available to the EMP community at large for wholistic mission assurance and in support of Conventional-Nuclear Integration efforts. Identify resourcing requirements, shortfalls, and associated prioritization and present to the owning MAJCOM or FLDCOM for budget, programming, or resource allocation as necessary.						
FY 2026 Plans: N/A						
FY 2027 Plans: • Continue to conduct EMP testing on available assets to characterize risk to mission completion from EMP exposure. • Provide recommendations on potential non-material and/or material changes to address identified shortfalls in EMP hardness. • Analyze EMP test data to inform cost/schedule improvements on future EMP testing and integrate with existing test data to provide updated fleet hardness reporting, per DAFI 10-2601.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0604222F / <i>Nuclear Weapons Support</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
• Coordinate with Lead Commands, PEOs, and program offices to maintain and update the DAF-wide EMP Test Priority List as necessary based on new test data, new acquisitions, legacy platform retirement, etc. • Continue to review and offer updates to guidance and advocate for early inclusion of EMP survivability requirements for new acquisition programs. • Continue to support program offices with test planning, test coordination, and data analysis capabilities for program office executed Hardness Maintenance/Hardness Surveillance activities. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase in FY 2027 due to the realignment of EMP from 654807 to 674237				
Accomplishments/Planned Programs Subtotals		0.000	0.000	10.029
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy The objective of the EMP Survivability Program is to provide independent testing, scientific analyses, assessments, and information in support of DAF weapons systems expected to operate in a nuclear EMP environment. Statistical analysis of test data will enable quantified measurement of fleet hardness to inform mission risk and allow for the development of non-material and material solutions. Multiple Cost Plus Fixed Fee (CPFF) and/or Time and Material (T&M) and Military Interdepartmental Purchase Requests (MIPR) are/will be used to execute testing and evaluations, technical analyses, and/or provide focused support unique to the nuclear enterprise, for the technology and integration processes. All contracts will be openly competed.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604222F / Nuclear Weapons Support				Project (Number/Name) 674237 / EMP Certification					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Low Level Continuous Wave (LLCW) EMP Testing	MIPR	Compass Rose : Tinker AFB, OK	-	-		-		4.000	Nov 2026	-		4.000	Continuing	Continuing	-
Threat Level EMP Testing	MIPR	Various: Pax River; WSMR : Various	-	-		-		2.766	Nov 2026	-		2.766	Continuing	Continuing	-
Modeling, simulation, analysis, and test support	C/CPFF	Booze Allen Hamilton : Kirtland AFB, NM	-	-		-		2.963	Nov 2026	-		2.963	Continuing	Continuing	-
Subtotal			-	-		-		9.729		-		9.729	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Cost	Various	Various : Kirtland AFB, NM	-	-		-		0.300	Oct 2026	-		0.300	Continuing	Continuing	-
Subtotal			-	-		-		0.300		-		0.300	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		10.029		-		10.029	Continuing	Continuing	N/A
Remarks Program Support Costs include Travel, Equipment and Supplies															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0604222F / Nuclear Weapons Support				Project (Number/Name) 674237 / EMP Certification			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Electromagnetic Pulse (EMP)																												
Low Level Continuous Wave (LLCW)EMP Testing																												
Threat Level EMP Testing																												
Modeling, Simulation, and Analysis																												
Program Support																												
Program Support Cost																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604222F / Nuclear Weapons Support	Project (Number/Name) 674237 / EMP Certification	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Electromagnetic Pulse (EMP)				
Low Level Continuous Wave (LLCW)EMP Testing	1	2027	1	2027
Threat Level EMP Testing	1	2027	1	2027
Modeling, Simulation, and Analysis	1	2027	1	2027
Program Support				
Program Support Cost	1	2027	1	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604233F I Specialized Undergraduate Flight Training							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	29.132	56.373	22.071	0.000	22.071	2.047	4.185	4.281	4.368	Continuing	Continuing
674101: Undergraduate Remotely Piloted Aircraft Training	0.000	0.898	2.782	2.882	0.000	2.882	1.903	2.023	2.079	2.121	Continuing	Continuing
676035: T-6 Operational System Development	0.000	28.089	53.444	19.070	0.000	19.070	0.017	2.033	2.071	2.113	Continuing	Continuing
676037: T-38 Operational System Development	0.000	0.145	0.147	0.119	0.000	0.119	0.127	0.129	0.131	0.134	Continuing	Continuing

A. Mission Description and Budget Item Justification

Specialized Undergraduate Flight Training program supports Air Education and Training Command's (AETC) initiative for joint pilot training.

Undergraduate Remotely Piloted Aircraft Training (URT) effort continues development, integration, testing, and deploying activities for the new URT Fundamentals Training System. This program produces Remotely Piloted Aircraft (RPA) pilots and Sensor Operators from accession sources to man RPA squadrons.

T-6 Operational System Development effort continues follow-on development activities for T-6 aircraft to include but not limited to the Avionics Replacement Program (ARP) and associated upgrades. Current T-6A avionics are comprised of analog and 1st generation digital components which are increasingly impacted by Diminishing Manufacturing Sources and Material Shortages (DMSMS) resulting in reduced Aircraft Availability (AA) and increased life-cycle sustainment costs. No less than 23 components are impacted by DMSMS and will be replaced by ARP to improve reliability, availability, and reduce system sustainment costs. The ARP addresses DMSMS issues, current T-6A FAA compliance issues, and fulfills outstanding safety recommendations. The solution will be incorporated into 405 AETC T-6A aircraft and 86 Ground Based Trainers.

T-38 Operational System Development effort provides advanced trainers for Specialized Undergraduate Pilot Training and Introduction to Fighter Fundamentals, and is a test bed for fighter-type aircraft capability. The T-38A/B/C is a twin-engine, two-seat (tandem), supersonic jet trainer used by AETC, Air Combat Command and Air Force Global Strike Command as a companion trainer in Adversary Air (ADAIR) exercises supporting U-2 operational units, F-22 readiness, and B-2 operational units. There are currently 486 operational T-38s in the Air Force inventory (53 T-38A, six T-38B and 427 T-38C).

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

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

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	30.043	66.200	0.000	0.000	0.000
Current President's Budget	29.132	56.373	22.071	0.000	22.071
Total Adjustments	-0.911	-9.827	22.071	0.000	22.071
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-9.226			
• 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	-0.911	-0.601			
• Other Adjustments	0.000	0.000	22.071	0.000	22.071

Change Summary Explanation

FY 2025 budget request decreased by \$0.911 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

FY 2026 budget request decreased by a total of \$9.827 million due to a \$9.226 million Congressional Directed Reduction for Program Carryover and a reduction of \$0.601 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

The FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 674101 / Undergraduate Remotely Piloted Aircraft Training			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674101: Undergraduate Remotely Piloted Aircraft Training	0.000	0.898	2.782	2.882	0.000	2.882	1.903	2.023	2.079	2.121	Continuing	Continuing
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.

The URT effort 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 develop organic software capabilities, update obsolete equipment, and develop new training tools to ensure 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 also be used to address emerging and short-notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues. DMSMS 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

	FY 2025	FY 2026	FY 2027
Title: Undergraduate RPA Training Support	0.898	2.782	2.882
Description: Develop capabilities to support AETC's implementation of Undergraduate RPA Training to produce RPA pilots and Sensor Operators for RPA squadrons.			
FY 2026 Plans: 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.			
FY 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 2025	FY 2026
Continuation of efforts to update and upgrade new training simulation software for the RPA Instrument Qualification Course to include but not limited to software development upgrade activities resulting from testing feedback and Vigilant Spirit Software Development, full scale implementation across both RPA Pilot and Sensor Operator training.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased due to additional software updates and upgrade activities.			
Accomplishments/Planned Programs Subtotals		0.898	2.782
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Support is organic sustainment at Oklahoma City Air Logistics Complex, Tinker AFB, OK and anticipated to continue into the future.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604233F / Specialized Undergraduate
Flight Training

Project (Number/Name)

674101 / Undergraduate Remotely Piloted
Aircraft Training

Product Development (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
URT Phased planning, design, and development of software updates	SS/FFP	555th SWES, Tinker ALC : Tinker AFB, OK	-	0.493	Oct 2024	0.300	Oct 2026	0.300	Oct 2027	-		0.300	Continuing	Continuing	-
Subtotal			-	0.493		0.300		0.300		-		0.300	Continuing	Continuing	N/A

Support (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Hire Civ Pay	TBD	Not specified. : TBD	-	0.144		0.150		0.200		-		0.200	Continuing	Continuing	-
Subtotal			-	0.144		0.150		0.200		-		0.200	Continuing	Continuing	N/A

Management Services (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	Program Office : WPAFB, OH	-	0.261	Oct 2024	2.332		2.382	Jun 2027	-		2.382	Continuing	Continuing	-
Subtotal			-	0.261		2.332		2.382		-		2.382	Continuing	Continuing	N/A

			Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.898	2.782	2.882	-	2.882	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 674101 / Undergraduate Remotely Piloted Aircraft Training			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force			Date: April 2026
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	2025	2	2026
URT Training System Test Implementation	2	2025	4	2025
URT Training System Continued Design/Development	3	2025	1	2031
URT Training System Full Scale Implementation	4	2025	2	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 676035 / T-6 Operational System Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676035: T-6 Operational System Development	0.000	28.089	53.444	19.070	0.000	19.070	0.017	2.033	2.071	2.113	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

T-6 Operational System Development program provides 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 in this effort is the Avionics Replacement Program (ARP). Current T-6A avionics are comprised of analog and 1st generation digital components which are increasingly impacted by Diminishing Manufacturing Sources and Material Shortages (DMSMS) resulting in reduced Aircraft Availability (AA) and increased life-cycle sustainment costs. No less than 23 components are impacted by DMSMS and will be replaced by ARP to improve reliability, availability, and reduce system sustainment costs. The ARP addresses DMSMS issues, current T-6A FAA compliance issues, and fulfills outstanding safety recommendations. The solution will be incorporated into 405 AETC T-6A aircraft and 86 Ground Based Trainers.

Funding provides for this effort directly aids Air Education Training Command (AETC) flying training enterprise and increases overall pilot production to reduce USAF pilot shortage.

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

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

	FY 2025	FY 2026	FY 2027
Title: T-6A JPATS Studies and Analysis	0.150	0.150	0.150
Description: Studies and Analysis provide excursions and concept refinement derived from AoA analysis. Activities will help determine the efficacy of capabilities through trade analysis, development, engineering, prototyping, and testing.			
FY 2026 Plans: Continue studies, analysis and developmental activities including but not limited to the development and testing of prototypes critical to enhancing modification efforts for the aircraft.			
FY 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 676035 / T-6 Operational System Development			
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Continue studies, analysis and developmental activities including but not limited to the development and testing of prototypes critical to enhancing modification efforts for the aircraft.												
FY 2026 to FY 2027 Increase/Decrease Statement: N/A												
Title: T-6 Avionics Modernization (Avionics Replacement Program)										27.939	53.294	18.920
Description: 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 Avionics Replacement Program (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 442 AETC T-6A aircraft and 86 Ground Based Trainers.												
The development and fielding of this capability will directly enhance the safety and reliability of the T-6A enterprise and the USAF Pilot Training Pipeline.												
FY 2026 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 2027 Plans: Test and evaluation activities of instrument panel integration and other avionics suite engineering efforts.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to anticipated completion of ARP developmental activities prior to procurement efforts.												
Accomplishments/Planned Programs Subtotals										28.089	53.444	19.070
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 Line Item JPAT00: T-6	49.281	135.988	131.747	-	131.747	204.403	45.926	4.721	125.559	8.575	706.200	
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training	Project (Number/Name) 676035 / T-6 Operational System Development
D. Acquisition Strategy T-6 Operational Systems Development program 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). The Air Force is the lead service for the T-6 entire family of systems for both Air Force and Navy.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training					Project (Number/Name) 676035 / T-6 Operational System Development				
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
T-6 Avionics Modernization (Avionics Replacement Program)	C/FFP	Not specified. : TBD	-	23.557	Dec 2024	48.533	Dec 2025	15.000	Dec 2026	-		15.000	Continuing	Continuing	-
Subtotal			-	23.557		48.533		15.000		-		15.000	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Hire Civ Pay	C/TBD	Not specified. : TBD	-	2.919		3.007		3.100		-		3.100	Continuing	Continuing	-
Subtotal			-	2.919		3.007		3.100		-		3.100	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	C/CPAF	Not specified. : Tinker, OK	-	0.150	Dec 2024	0.215	Dec 2025	0.970	Feb 2027	-		0.970	Continuing	Continuing	-
Subtotal			-	0.150		0.215		0.970		-		0.970	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	C/Various	Not specified. : TBD	-	1.463	Feb 2025	1.689	Feb 2026	0.000		-		0.000	Continuing	Continuing	-
Subtotal			-	1.463		1.689		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	28.089		53.444		19.070		-		19.070	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force							Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training		Project (Number/Name) 676035 / T-6 Operational System Development				
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0604233F / Specialized Undergraduate Flight Training					676035 / T-6 Operational System Development									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Joint 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 2027 Air Force		Date: April 2026
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	2025	4	2031
Avionics Modernization				
T-6 Avionics Replacement Development	1	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training				Project (Number/Name) 676037 / T-38 Operational System Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676037: T-38 Operational System Development	0.000	0.145	0.147	0.119	0.000	0.119	0.127	0.129	0.131	0.134	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

T-38 A/B/C avionics operational system development's primary focus is for modifications required to overcome Diminishing Manufacturing Sources & Material Shortages (DMSMS), aging of critical components, emerging safety concerns and cybersecurity risks.

Developmental efforts include software upgrades to the T-38C Operational Flight Program (OFP) addressing interface improvements, cybersecurity enhancements, airspace mandates, or other user requirements to include block upgrades. OFP block upgrades also 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.

The Video Data Transfer Unit (VDTU) - The current T-38C VDTU is obsolete, and the Compact Flash Cards (CFC) are obsolete and unsustainable (442 VDTU's). Development is currently in process for FY 2026.

The Head-up Display (HUD) Camera is obsolete with unprocurable parts and requires replacement. One unit is required per aircraft (442 HUD cameras). Development is currently in process for FY 2026.

The T-38C Canopy Open Warning (COW) is a safety modification to the aircraft 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. COW will be fielded with the VDTU and HUDC modification.

As a follow-on to the T-38A/B Low-cost Avionics Modernization Program (LAMP), there may be a developmental requirement for a LAMP II program to replace the Attitude Gyro Control Assembly, Rate Switching Gyro, Rate Gyro Transmitter, Servo-Amplifier, and Flight Director Computer for the T-38A/T-38B. This effort may require funding as early as FY 2028 to mitigate ongoing component failures and meet operational needs.

Developmental studies and analysis requirements to address current and future DMSMS issues with the T-38A/B/C fleet, 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, T-38C 5G Band Pass Filter, T-38C Embedded GPS Inertial (EGI) navigation system, T-38C Air Data Computer (ADC), and T-38C Traffic Collision Avoidance System (TCAS) Processor.

Additional developmental efforts may occur as future DMSMS or emerging requirements unfold.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604233F / <i>Specialized Undergraduate Flight Training</i>	Project (Number/Name) 676037 / <i>T-38 Operational System Development</i>	

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

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

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: T-38 Studies and Development Description: Studies and development (including flight test) to support Engineering Change Proposals (ECP) and other requirements 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 2026 Plans: 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 2027 Plans: Continuation of 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 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduction in ECP activities	0.145	0.147	0.119
Accomplishments/Planned Programs Subtotals	0.145	0.147	0.119

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 Line Item T03800: T-38	112.986	85.381	84.452	-	84.452	81.022	102.689	42.516	69.308	101.196	679.550

Remarks

D. Acquisition Strategy

The T-38 Platform Operations System Development acquisition strategy is designed to enable competition and cost control. Strategy addresses 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training						Project (Number/Name) 676037 / T-38 Operational System Development			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
T-38 Studies and Development	C/FFP	The Boeing Company : St. Louis, MO	-	0.145	Nov 2024	0.147	Jan 2026	0.119	Jan 2027	-		0.119	Continuing	Continuing	-
Subtotal			-	0.145		0.147		0.119		-		0.119	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.145		0.147		0.119		-		0.119	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0604233F / Specialized Undergraduate Flight Training		
			Project (Number/Name) 676037 / T-38 Operational System Development		

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
T-38 Operational System Development																												
T-38 Studies & Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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
T-38 Operational System Development				
T-38 Studies & Development	1	2025	2	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0604283F I Battle Mgmt Com & Ctrl Sensor Development							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	66.717	47.298	44.187	0.000	44.187	36.132	24.067	16.032	16.357	0.000	250.790
673587: ARSR-4 Replacement - Hawaii	0.000	66.717	47.298	44.187	0.000	44.187	36.132	24.067	16.032	16.357	0.000	250.790
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Prior to FY 2026, this budget line item funded the replacement of the current Air Route Surveillance Radar Version 4 (ARSR-4) on Mt. Ka'ala, Hawaii (ARSR4R-HI) to include prototype development, test, site preparation, and installation. The responsibility for missile defense has been consolidated under the Golden Dome for America (GDA) architecture, which supersedes the former Air Force-specific requirement in Hawaii.

This budget line item now funds the remaining requirement for replacement of the legacy ARSR4 radar on Mt. Ka'ala with a dual-use material solution meeting both the Air Force, Air Domain Awareness and the FAA, Air Traffic Control (ATC) missions.

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

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	69.040	17.353	0.000	0.000	0.000
Current President's Budget	66.717	47.298	44.187	0.000	44.187
Total Adjustments	-2.323	29.945	44.187	0.000	44.187
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	29.945			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-2.323	0.000			
• Other Adjustments	0.000	0.000	44.187	0.000	44.187

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0604283F I Battle Mgmt Com & Ctrl Sensor Development		
Change Summary Explanation The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: ARSR-4 Replacement Hawaii (ARSR4R-HI)		66.717	47.298	44.187
Description: The ARSR4R-HI will be the Ground-Based detection, discrimination, and tracking radar to support defense of Hawaii. 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 increased sensitivity using mature state of the art technologies, increase performance in multi-mission operations, provide modularity, flexibility, and growth opportunities.				
FY 2026 Plans: - Site design and preparation efforts ongoing - Preliminary Design review with each vendor - Collaborating with the Golden Dome for America Direct Reporting Program Manager's Office with respect to the defense of Hawaii				
FY 2027 Plans: - Complete gap analysis considering Golden Dome of America (GDA) capability - Reassess technical solution to meet Air Traffic Control surveillance and Air Domain Awareness - Begin system procurement for Mt Ka'ala site - Continue to collaborate with GDA by sharing Preliminary Design Review (PDR) and tech demo data from prior year development efforts				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to change in requirements.				
Accomplishments/Planned Programs Subtotals		66.717	47.298	44.187
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks FY 2025 Value is not reflective of 21.368M amount pulled from ARSR4R-HI Program as Omnibus source.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0604283F I Battle Mgmt Com & Ctrl Sensor Development	
E. Acquisition Strategy In order to meet the PACAF/INDOPACOM DoD/FAA urgent mission needs, a Middle Tier of Acquisition Rapid Development strategy was planned for the ARSR4R-HI replacement system. The acquisition strategy included demonstration of two capable systems and down select to a single vendor. However, requirement changes halted this strategy after Technology Demonstrations and Preliminary Design Reviews were conducted, just prior to down select solicitation. The program office will provide this body of data for consideration by other Department of War efforts but will pivot acquisition strategies in FY26 to focus on the remaining requirement set, leveraging the existing site preparation analysis. 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/ESA). 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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604283F / Battle Mgmt Com & Ctrl Sensor Development

Project (Number/Name)

673587 / ARSR-4 Replacement - Hawaii

Product Development (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ARSR-4 Replacement Hawaii Vendor Demonstration A (Phase 1)	C/FFP	AFLCMC/ESA : HAFB, MA	-	3.255	Apr 2025	-		-		-		-	Continuing	Continuing	-
ARSR-4 Replacement Hawaii Vendor Demonstration B (Phase 1)	C/FFP	AFLCMC/ESA : HAFB, MA	-	3.272	Apr 2025	-		-		-		-	Continuing	Continuing	-
ARSR-4 Replacement Hawaii Site Preparation	MIPR	FAA : Michael Monroney Ctr, OK	-	0.000	Jun 2025	0.000	Apr 2026	1.778	Jan 2027	-		1.778	Continuing	Continuing	-
ARSR-4 Replacement Hawaii Contract Award	C/CPFF	AFLCMC/ESA : HAFB, MA	-	46.574	Sep 2026	38.423	Sep 2026	36.889	Jan 2027	-		36.889	Continuing	Continuing	-
Subtotal			-	53.101		38.423		38.667		-		38.667	Continuing	Continuing	N/A

Support (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	MIPR	DOT FAA : Washington, DC	-	6.227	Dec 2024	4.000	Jun 2026	-		-		-	0.000	10.227	-
Research/Analysis	MIPR	DOT FAA / MITRE : Washington, DC	-	2.507	Dec 2024	0.000	Apr 2026	1.335	Jan 2027	-		1.335	0.000	3.842	-
Cyber Certification	MIPR	AFLCMC/EZC : Hanscom, MA	-	0.000	Dec 2024	0.000	Jun 2026	0.235	Dec 2026	-		0.235	Continuing	Continuing	-
Subtotal			-	8.734		4.000		1.570		-		1.570	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)

				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	PO	46th Test Squadron : Eglin AFB, FL	-	0.450	Dec 2024	-		-		-		-	0.000	0.450	-
Subtotal			-	0.450		-		-		-		-	0.000	0.450	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604283F / Battle Mgmt Com & Ctrl Sen sor Development						Project (Number/Name) 673587 / ARSR-4 Replacement - Hawaii			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Civilian Direct Cite Authorization	Allot	AFLCMC/FZA: TBD : TBD	-	2.221	Dec 2024	2.000	Mar 2026	2.000	Mar 2027	-		2.000	Continuing	Continuing	-
Program Support Cost (PSC) - Other Government Cost	Allot	AFLCMC/ESA : Hanscom AFB, MA	-	0.559	Dec 2024	1.575	Mar 2026	0.250	Apr 2027	-		0.250	Continuing	Continuing	-
Program Support Cost (PSC)	C/CPFF	Various : Hanscom AFB, MA	-	1.652	Dec 2024	1.300	Jul 2026	1.700	Dec 2026	-		1.700	0.000	4.652	-
Subtotal			-	4.432		4.875		3.950		-		3.950	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	66.717		47.298		44.187		-		44.187	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604283F / <i>Battle Mgmt Com & Ctrl Sensor Development</i>		Project (Number/Name) 673587 / <i>ARSR-4 Replacement - Hawaii</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ARSR-4 Replacement Hawaii (ARSR4R-HI)																												
ARSR-4 Replacement Hawaii (ARSR4R-HI)																												
Requirements Development																												
FAA Site Preparation																												
Environmental Assessment																												
Phase I - Operational Capability (Vendor) Demonstrations																												
-- Proposals Received (18-Sep-2024) - updated proposals (Jan-2025)																												
-- Source Selection																												
-- Demonstrations/Contract Awards (Apr-2025)																												
-- System Requirements Review (SRR)/ System Functional Review (SFR) - Jun 25/ Preliminary Design Review (PDR) - Aug 2025																												
-- Capability Demonstrations (2-Vendors)																												
Requirement Consolidation With Golden Dome America (MDA) 1 Apr 2026																												
-- Air Force, in Coordination With Golden Dome America (GDA) and Missile Defense Agency (MDA), Updated Cost Estimate and Schedule for ARSR4 Radar Replacement																												
-- Revised Requirement Contract Documentation Prepared																												
-- Proposal Evaluation, Contract Award, System Fabrication, Site Design/Preparation,																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																				Date: April 2026																	
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0604283F / Battle Mgmt Com & Ctrl Sensor Development										Project (Number/Name) 673587 / ARSR-4 Replacement - Hawaii																	
										FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
System Installation, Operational Utility Evaluation, Initial Operational Capability																																					

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604283F / Battle Mgmt Com & Ctrl Sensor Development

Project (Number/Name)

673587 / ARSR-4 Replacement - Hawaii

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	2025	4	2029
Requirements Development	1	2025	4	2025
FAA Site Preparation	3	2025	4	2027
Environmental Assessment	3	2025	2	2026
Phase I - Operational Capability (Vendor) Demonstrations	1	2025	1	2026
-- Proposals Received (18-Sep-2024) - updated proposals (Jan-2025)	2	2025	2	2025
-- Source Selection	2	2025	3	2025
-- Demonstrations/Contract Awards (Apr-2025)	3	2025	3	2025
-- System Requirements Review (SRR)/System Functional Review (SFR) - Jun 25/ Preliminary Design Review (PDR) - Aug 2025	4	2025	4	2025
-- Capability Demonstrations (2-Vendors)	4	2025	1	2026
Requirement Consolidation With Golden Dome America (MDA) 1 Apr 2026	3	2026	3	2026
-- Air Force, in Coordination With Golden Dome America (GDA) and Missile Defense Agency (MDA), Updated Cost Estimate and Schedule for ARSR4 Radar Replacement	3	2026	4	2026
-- Revised Requirement Contract Documentation Prepared	3	2026	4	2026
-- Proposal Evaluation, Contract Award, System Fabrication, Site Design/Preparation, System Installation, Operational Utility Evaluation, Initial Operational Capability	4	2026	4	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604445F I Wide Area Surveillance							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	20.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.722
675899: Wide Area Surveillance	0.000	20.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.722
Program MDAP/MAIS Code: 519												

A. Mission Description and Budget Item Justification

Wide Area Surveillance (WAS) consists of three advanced sensor systems, the Stateside Affordable Radar System (STARS), Scorpion, and Affordable Long Range Persistent Systems (ALPS). 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	21.443	0.000	0.000	0.000	0.000
Current President's Budget	20.722	0.000	0.000	0.000	0.000
Total Adjustments	-0.721	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	-0.721	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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675899: Wide Area Surveillance	0.000	20.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.722
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Wide Area Surveillance (WAS) consists of three complementary advanced sensor systems, the Stateside Affordable Radar System (STARS), Scorpion, and Affordable Long Range Persistent Systems (ALPS). 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 program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: STARS (S1) Block 2 Modernization and Scorpion (S2) testing	20.722	0.000	0.000	0.000	0.000
Description: Development, Testing & Fielding					
FY 2026 Plans: No FY26 funding is appropriated					
FY 2027 Base Plans: No FY27 funding is appropriated					
FY 2027 OOC Plans: N/A					
FY 2026 to FY 2027 Increase/Decrease Statement: N/A					
Accomplishments/Planned Programs Subtotals	20.722	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 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 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOO</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 Line Item 834240: <i>Wide Area Surveillance</i>	13.945	29.617	17.000	-	17.000	17.931	17.027	17.337	17.684	0.000	130.541
• OPAF 05 861900: <i>Spares and repair parts</i>	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	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. Additionally, this strategy includes the delivery of 15 ALPS systems post FOC. RDT&E funds support 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.311	May 2025	-		-		-		-	0.000	0.311	0.000
Wide Area Surveillance (WAS) S1 Block 2 MVP Development	SS/CPFF	Raytheon : El Segundo, CA	0.000	3.683	Dec 2024	-		-		-		-	0.000	3.683	-
Wide Area Surveillance (WAS) S1 Full Block 2 Development	SS/CPFF	Raytheon : El Segundo, CA	0.000	16.278	Dec 2024	-		-		-		-	0.000	16.278	-
Subtotal			0.000	20.272		-		-		-		-	0.000	20.272	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	46 Test Squadron : Eglin AFB, FL	0.000	0.450	Oct 2024	-		-		-		-	0.000	0.450	-
Subtotal			0.000	0.450		-		-		-		-	0.000	0.450	N/A
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	20.722	-		-		-		-	0.000	20.722	N/A	
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0604445F / Wide Area Surveillance					675899 / Wide Area Surveillance				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Wide Area Surveillance																												
STARS Block 2 Development Effort																												
STARS Block 2 Development Test																												
STARS Full Block 2 Development Effort																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604445F / <i>Wide Area Surveillance</i>	Project (Number/Name) 675899 / <i>Wide Area Surveillance</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Wide Area Surveillance</i>				
STARS Block 2 Development Effort	1	2025	2	2025
STARS Block 2 Development Test	2	2026	2	2026
STARS Full Block 2 Development Effort	1	2025	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2							
COST (\$ in Millions)	Prior Years ⁽⁺⁾	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	4,620.857	1,099.328	960.621	1,128.748	0.000	1,128.748	1,600.572	1,638.243	1,481.482	1,298.001	Continuing	Continuing
673501: Air Vehicle - Tech Refresh 3	341.834	16.840	1.212	9.500	0.000	9.500	8.960	9.130	9.303	9.491	Continuing	Continuing
673502: Air Vehicle Block 4 Planning & Sys Eng	1,029.094	326.816	210.394	475.409	0.000	475.409	758.695	697.355	578.647	432.727	Continuing	Continuing
673503: Test and Evaluation (T&E)	735.819	282.984	289.578	284.640	0.000	284.640	276.922	265.796	234.811	218.045	Continuing	Continuing
673504: Propulsion (PP)	366.691	166.054	120.967	94.102	0.000	94.102	229.234	247.461	224.638	214.619	Continuing	Continuing
673505: Maintenance Systems (MxS)	127.159	32.526	39.573	37.406	0.000	37.406	34.304	70.426	71.768	73.221	Continuing	Continuing
673506: Combat Data Systems (CDS)	128.240	38.025	46.716	40.002	0.000	40.002	41.085	41.860	42.657	43.520	Continuing	Continuing
673507: Training Systems & Simulation	225.934	44.680	74.332	72.022	0.000	72.022	71.076	72.416	73.796	75.290	Continuing	Continuing
673508: Infrastructure & Support Costs	280.726	159.122	130.313	90.885	0.000	90.885	94.270	95.945	97.765	99.745	Continuing	Continuing
673509: DevSecOps	59.193	13.031	19.870	19.660	0.000	19.660	4.588	4.675	4.764	4.860	Continuing	Continuing
673510: Utility and Subsystem Support to Mission Systems	16.263	19.250	27.332	5.122	0.000	5.122	81.438	133.179	143.333	126.483	Continuing	Continuing
674871: Information Operations Technology	0.000	0.000	0.334	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	
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.		
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 2027 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.		
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.		
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.		
Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.		
The FY 2027 request for C2D2 F-35A includes \$1,128,748 thousand of discretionary and \$939,586 thousand of mandatory for a total of \$2,068,334 thousand. FY 2027 total funding supports Block 4 capability development and acceleration of Engine & Power Thermal Management delivery timelines.		
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 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0604840F / F-35 C2D2			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	1,134.207	1,182.094	0.000	0.000	0.000
Current President's Budget	1,099.328	960.621	1,128.748	0.000	1,128.748
Total Adjustments	-34.879	-221.473	1,128.748	0.000	1,128.748
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-209.575			
• 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	-34.879	-11.898			
• Other Adjustments	0.000	0.000	1,128.748	0.000	1,128.748
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					
FY2025 reduction of -\$34.879 million for SBIR					
FY2026 includes a \$209.575 million Congressional directed reduction due to projected carryover.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673501: Air Vehicle - Tech Refresh 3	341.834	16.840	1.212	9.500	0.000	9.500	8.960	9.130	9.303	9.491	Continuing	Continuing
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. 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Technology Refresh 3 (TR-3)	16.840	1.212	9.500	0.000	9.500
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 2026 Plans: The TR-3 program will continue the completion of the final laboratory system integration and test, and system certification requirements for fleet fielding.					
FY 2027 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673501 / Air Vehicle - Tech Refresh 3		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
TR-3 program will continue support studies, research, and development for TR-3 Integrated Core Processor Module upgrades and TR-3 follow on analysis. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased to support studies, research, and development for TR-3 Integrated Core Processor Module upgrades and TR-3 follow-on analysis.						
Accomplishments/Planned Programs Subtotals		16.840	1.212	9.500	0.000	9.500
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	331.385	16.840	May 2025	1.212	Oct 2025	9.500	Oct 2026	-		9.500	0.000	358.937	-
TR-3 Prime Next GenDAS Shipsets Proc	C/CPIF	LM : Fort Worth, TX	6.146	-		-		-		-		-	0.000	6.146	-
TR-3 Prime OT NRE	C/CPIF	LM : Fort Worth, TX	2.049	-		-		-		-		-	0.000	2.049	-
TR-3 Prime OT NextGen DAS NRE	C/CPIF	LM : Fort Worth, TX	2.049	-		-		-		-		-	0.000	2.049	-
Subtotal			341.629	16.840		1.212		9.500		-		9.500	0.000	369.181	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TR-3 Project Support	MIPR	Various : TBD	0.205	0.000		0.000		0.000		-		0.000	0.000	0.205	-
Subtotal			0.205	0.000		0.000		0.000		-		0.000	0.000	0.205	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			341.834	16.840		1.212		9.500		-		9.500	0.000	369.386	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0604840F / F-35 C2D2								673501 / Air Vehicle - Tech Refresh 3			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
673501																												
Perform Final Hardware Qualification Testing																												
Production Hardware Deliveries																												
40R02 Operationally Combat Capable																												
2nd Aircraft Lot 15 DD250																												
TR3 Complete/Contract Close Out																												
Integrated Core Processor Module Upgrades and Analysis																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2025
Production Hardware Deliveries	1	2025	4	2025
40R02 Operationally Combat Capable	2	2025	4	2025
2nd Aircraft Lot 15 DD250	3	2025	4	2025
TR3 Complete/Contract Close Out	4	2025	3	2026
Integrated Core Processor Module Upgrades and Analysis	1	2027	1	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673502: Air Vehicle Block 4 Planning & Sys Eng	1,029.094	326.816	210.394	475.409	0.000	475.409	758.695	697.355	578.647	432.727	Continuing	Continuing
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.

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 principal lines of effort: development of software-based capabilities, development and integration of new and modernized aircraft hardware that 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

The FY2027 request for Air Vehicle Block 4 Planning and Systems Engineering includes \$475,409 thousand of discretionary and \$557,835 thousand of mandatory for a total of \$1,033,024 thousand for Block 4 capability development.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Air Vehicle Block 4 Planning & Sys Eng 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 principal lines of effort: development of software-based capabilities, development and integration of new and modernized aircraft hardware that 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. FY 2026 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 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	326.816	210.394	475.409	-	475.409

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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. FY 2027 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 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, begin evaluation feasibility and decompose requirements for integration of External Fuel Tanks 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 integration of advanced weapons and aircraft stores 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. Continue systems engineering, integration, and test development for avionics, sensors, weapons, studies and analyses, and risk reduction efforts. Work will continue on Digital Core and development infrastructure efforts for support of an F-35 mission systems integration laboratory, F-35 digital twin models, and to resolve software deficiencies. FY 2026 to FY 2027 Increase/Decrease Statement: The increase from FY2026 to FY2027 is to enhance F-35 Block 4 improvements and capabilities, including Digital Core and Weapons integration, and to ensure air system alignment with fleet delivery.					
Accomplishments/Planned Programs Subtotals	326.816	210.394	475.409	-	475.409

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

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng

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

Remarks

N/A

D. Acquisition Strategy

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 capabilities.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026				
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2					Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng				

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prime Phase II Cape/Development	C/CPIF	LM : Fort Worth, TX	703.841	144.590	Nov 2024	34.337	Nov 2025	97.474	Nov 2026	-		97.474	Continuing	Continuing	-
Prime Phase II Fee	C/CPIF	LM : Fort Worth, TX	23.430	15.900	Nov 2024	0.000	Nov 2025	3.009	Nov 2026	-		3.009	Continuing	Continuing	-
Prime LM Block Four Contract (BFC)	C/CPIF	LM : Fort Worth, TX	75.781	59.476	Nov 2024	45.507	Nov 2025	256.691	Nov 2026	-		256.691	Continuing	Continuing	-
Prime LM Block Four Contract (BFC) Fee	C/CPIF	LM : Fort Worth, TX	0.000	0.000	Nov 2024	0.000	Nov 2025	17.723	Nov 2026	-		17.723	Continuing	Continuing	-
Prime Air Vehicle Integration	C/CPFF	LM : Fort Worth, TX	7.170	4.880	Nov 2024	2.500	Nov 2025	3.769	Nov 2026	-		3.769	Continuing	Continuing	-
Beyond Line Of Sight (BLOS) Communications	Various	TBD : TBD	99.000	0.000	Nov 2024	66.150	Nov 2025	60.650	Nov 2026	-		60.650	Continuing	Continuing	-
Systems Engineering	Various	Various : TBD	57.454	17.500	Nov 2024	11.510	Nov 2025	10.354	Nov 2026	-		10.354	Continuing	Continuing	-
Cyber Survivability	Various	Various : TBD	3.748	11.930	Nov 2024	11.250	Nov 2025	8.258	Nov 2026	-		8.258	Continuing	Continuing	-
Digital Core & Development Infrastructure	C/CPAF	Various : TBD	0.000	-		-		-		-		-	0.000	0.000	-
Subtotal			970.424	254.276		171.254		457.928		-		457.928	Continuing	Continuing	N/A

Remarks

The FY2027 increase for the Prime LM Block Four Contract(BFC) and the Phase 2.3 Contract will fund improvements to Radar, Electronic Warfare, Digital Core, and Communication, Navigation, and Identification (CNI) sub-systems.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mission Systems Support	Various	Various : TBD	33.680	62.870	Nov 2024	23.700	Nov 2025	8.258	Nov 2026	-		8.258	Continuing	Continuing	-
Vehicle Systems Support	Various	Various : TBD	5.380	0.880	Nov 2024	5.850	Nov 2025	5.100	Nov 2026	-		5.100	Continuing	Continuing	-
FCAT Development Support	Various	Various : TBD	19.610	8.790	Nov 2024	9.590	Nov 2025	4.123	Nov 2026	-		4.123	Continuing	Continuing	-
Subtotal			58.670	72.540		39.140		17.481		-		17.481	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2					Project (Number/Name) 673502 / Air Vehicle Block 4 Planning & Sys Eng					
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1,029.094	326.816		210.394		475.409		-		475.409	Continuing	Continuing	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 2027 Air Force			Date: April 2026		
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 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force			Date: April 2026
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	2025	4	2031
Systems Engineering & Agile Capability Development: IPRs	1	2025	4	2031
Hardware Enablers: Electronic Warfare (EW) Upgrade	1	2025	4	2031
Hardware Enablers: A/C Cooling	1	2025	4	2025
Hardware Enablers: GPS M-Code	1	2025	2	2029
Hardware Enablers: Beyond Line Of Sight (BLOS) Communications	1	2025	4	2031
Hardware Enablers: Six-In-The-Bay (SITB)	1	2025	2	2030
Hardware Enablers: Technical Data Recording	1	2025	4	2031
Hardware Enablers: Multifunction Advanced Data Link Improvements	1	2025	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673503 / Test and Evaluation (T&E)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673503: Test and Evaluation (T&E)	735.819	282.984	289.578	284.640	0.000	284.640	276.922	265.796	234.811	218.045	Continuing	Continuing
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 Autonomic Logistics Information System (ALIS), fielding of Operational Data Integrated Network (ODIN) Base Kits, regression testing of fielded weapons upgrades, and various validation/verification efforts.

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

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

The FY2027 request for Test & Evaluation includes \$284,640 thousand of discretionary and \$49,384 thousand of mandatory for a total of \$334,024 thousand for Flight Science Aircraft and Block 4 capability development.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Development Foundation Contract (DFC) Flight Test and Tech Refresh	89.372	91.761	71.951	-	71.951
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 2027 Air Force			Date: April 2026				
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
environment activities, including Nimble Lightning efforts. Other costs in support of ranges, chase planes and DT site operations.							
FY 2026 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 2027 Base Plans: DFC will provide flight test support for Block 4 capabilities and weapons testing to accelerate delivery of weapons, software, and carrier operating envelopes 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 2026 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the increase from FY2026 to FY2027 is due to cost inflation factors, increased weapons testing and Block 4 capability testing, additional sustainment support for DT aircraft, Development Test Viability modifications support, as well as replacement of ground support equipment and laboratory development.							
Title: Developmental Test (DT)			36.697	36.257	38.784	-	38.784
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 2026 Plans:							

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673503 / Test and Evaluation (T&E)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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 2027 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 FY2026 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 2026 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the funding increase from FY2026 to FY2027 is due to additional test site infrastructure and operating costs associated with multiple concurrent software development lines as well as additional weapons system and other Block 4 capability testing. Additionally, the increase accounts for procurement of additional hardware modification kits for the DT fleet.						
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		15.907	12.753	14.087	-	14.087

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673503 / Test and Evaluation (T&E)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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 2026 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 2027 Base Plans: Operational Test activities will continue from FY26 into FY27 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 2026 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the increase from FY2026 to FY2027 is due to additional operational testing and weapon development tests in FY2027 to support added Tech Refresh 2 software delivery in addition to the TR3 software development lines. This adds additional "for score" OT requirements in addition to the additional OT feedback during development cycle. Additionally, increase accounts for procurement of additional HW modification kits for the OT fleet.						
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.		137.374	141.844	138.342	-	138.342

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
FY 2026 Plans: 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 2027 Base Plans: 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 and 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 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 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the funding increase from FY2026 to FY2027 is due to ramp up of non-recurring engineering, part procurement, and installation for FTI and flight science replacement aircraft.						
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.		3.634	6.963	21.476	-	21.476

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
FY 2026 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. FY 2027 Base Plans: Continue Development of Digital Infrastructure (DI) capabilities, accreditation for DT infrastructure used for performance testing, and associated efforts that enable development and test off F-35 Block 4 Air System Capabilities. DI efforts will be made to both DoD Organic Infrastructure such as integrated battlespace testing improvements to the anechoic chamber and associated labs as well as industry laboratory infrastructure. Additional scope includes the development and integration of USG Organic Software Centers at various DoD installations. Increased scope includes vendor infrastructure improvement and modernization within LM and supplier labs needed for Block 4 air system capability development. LM DI 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 DI accreditation activities for DT needed to support the planning and reporting on the verification and validation of DI to enable the use of DI as capability verification venue. FY 2026 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the funding increase from FY2026 to FY2027 is due to the procurement of hardware for the creation of new Organic Software Centers for development and test infrastructure capabilities, and the recategorization of development of simulation and stimulation equipment to be captured under Digital Infrastructure instead of individual PMOs for the purpose of commonality across Enterprise Lab and Ground Test Venues.							
Accomplishments/Planned Programs Subtotals			282.984	289.578	284.640	-	284.640

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / <i>Test and Evaluation (T&E)</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy 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 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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DFC - Prime Developmental Foundation Contract	C/CPIF	LM : Fort Worth, TX	326.621	89.372	Nov 2024	90.009	Nov 2025	71.952	Nov 2026	-		71.952	Continuing	Continuing	-
OT - Prime Operation Test Aircraft Modification	C/CPIF	LM : Fort Worth, TX	14.259	8.781	Aug 2025	4.500	Dec 2025	4.238	Nov 2026	-		4.238	Continuing	Continuing	-
FI - Prime DT AC Viability	C/CPIF	LM : Fort Worth, TX	50.837	8.301	Dec 2024	4.476	Dec 2025	11.233	Nov 2026	-		11.233	Continuing	Continuing	-
FI - Flight Test Asset	C/CPIF	LM : Fort Worth, TX	107.258	121.511	Dec 2024	29.048	Dec 2025	17.316	Nov 2026	-		17.316	Continuing	Continuing	-
FI - Flight Science	C/CPIF	LM : Fort Worth, TX	12.407	-		80.326	Nov 2025	80.088	Nov 2026	-		80.088	Continuing	Continuing	-
FI - Weapons	C/CPIF	LM : Fort Worth, TX	9.159	-		12.882	Dec 2025	24.190	Nov 2026	-		24.190	Continuing	Continuing	-
DT - Prime Development Test Aircraft Modification	C/CPIF	LM : Fort Worth, TX	12.515	2.415	Aug 2025	3.000	Nov 2025	4.170	Nov 2026	-		4.170	Continuing	Continuing	-
DFC - DI Lab Development	C/CPIF	LM : Fort Worth, TX	0.000	0.000	Nov 2024	3.821	Dec 2025	21.473	Nov 2026	-		21.473	Continuing	Continuing	-
Subtotal			533.056	230.380		228.062		234.660		-		234.660	Continuing	Continuing	N/A

Remarks

When considering the FY2027 mandatory funding in addition to discretionary, LM Developmental Foundation Contract increased from FY2026 to FY2027 for cost inflation factors, surging weapons and Block 4 capability testing, as well as replacement of ground support equipment and tech refresh of aging lab equipment.

Laboratory Developments increased in FY2027 for cost inflation factors, procurement of Block 4 PME for Hardware in-the-loop (HITL) labs.

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (EDW)	MIPR	Edwards AFB, CA : TBD	44.724	15.983	Dec 2024	17.905	Dec 2025	19.060	Nov 2026	-		19.060	Continuing	Continuing	-
Developmental Test & Evaluation (IDT)	MIPR	IDT : Ballston, VA	6.004	0.000	Dec 2024	0.000	Dec 2025	-		-		-	0.000	6.004	-
Developmental Test & Evaluation (JHU)	MIPR	JHU : Laurel, MD	3.432	0.215	Dec 2024	2.238	Dec 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
Developmental Test & Evaluation (PAX)	WR	NAWCAD : Pax River, MD	50.331	15.900	Dec 2024	18.682	Dec 2025	15.352	Nov 2026	-		15.352	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673503 / Test and Evaluation (T&E)

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (CHLK)	WR	NAWCWD : China Lake, CA	2.470	1.599	Dec 2024	0.448	Dec 2025	0.201	Nov 2026	-		0.201	Continuing	Continuing	-
Developmental Test & Evaluation (DTIC)	MIPR	DTIC : Ft Belvoir, VA	2.866	3.000	Jun 2025	-		-		-		-	0.000	5.866	-
Operational Test & Evaluation (EDW)	MIPR	Edwards AFB, CA : Edwards AFB, CA	1.892	3.220	Nov 2024	1.755	Dec 2025	6.152	Nov 2026	-		6.152	Continuing	Continuing	-
Operational Test & Evaluation (Eglin)	MIPR	Eglin AFB, FL : Eglin AFB, FL	3.251	0.000	Jun 2025	-		-		-		-	0.000	3.251	-
Operational Test & Evaluation (PAX)	WR	NAWCAD : Pax River, MD	0.602	0.351	Dec 2024	0.539	Dec 2025	0.291	Nov 2026	-		0.291	Continuing	Continuing	-
Operational Test & Evaluation (CHLK)	WR	NAWCWD : China Lake, CA	7.674	1.756	Dec 2024	3.760	Dec 2025	1.588	Nov 2026	-		1.588	Continuing	Continuing	-
Operational Test & Evaluation (Nellis)	MIPR	Nellis AFB, NV : Nellis AFB, NV	65.522	4.854	Dec 2024	7.008	Dec 2025	6.436	Nov 2026	-		6.436	Continuing	Continuing	-
Operational Test & Evaluation (AFRL Rome)	MIPR	Rome, NY : Rome, NY	12.427	5.156	Dec 2024	8.019	Dec 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
Operational Test & Evaluation (NSMA)	MIPR	NSMA : NSMA : TBD	1.568	0.500	Dec 2024	1.162	Dec 2025	0.900	Nov 2026	-		0.900	Continuing	Continuing	-
Test Support (NIWC)	MIPR	Not specified. : TBD	0.000	0.070	Mar 2025	-		0.000		-		0.000	0.000	0.070	-
Subtotal			202.763	52.604		61.516		49.980		-		49.980	Continuing	Continuing	N/A

Remarks
When considering the FY2027 mandatory funding in addition to discretionary, DT funding increase from FY2026 to FY2027 is due to additional test site infrastructure and operating costs associated with multiple concurrent software development lines as well as additional weapons system and other block 4 capability testing. OT funding increase due to additional operational testing and weapon development tests in FY2027 to support added Tech Refresh 2 software delivery in addition to the TR3 software development lines.

	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	735.819	282.984	289.578	284.640	-	284.640	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force															Date: April 2026				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0604840F / F-35 C2D2					673503 / Test and Evaluation (T&E)				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force			Date: April 2026
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	2025	2	2028
DT Aircraft Viability	1	2025	2	2031
Flight Test Instrumentation	1	2025	4	2031
Block 4 Contract Lab Development	1	2025	1	2029
OFP Development & Test	1	2025	2	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673504 / Propulsion (PP)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673504: Propulsion (PP)	366.691	166.054	120.967	94.102	0.000	94.102	229.234	247.461	224.638	214.619	Continuing	Continuing
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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

The FY2027 request for Propulsion includes \$94,102 thousand of discretionary and \$223,408 thousand of mandatory for a total of \$317,510 thousand for acceleration of Engine and Power Thermal Management timelines.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Propulsion (PP)	166.054	120.967	94.102	0.000	94.102
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					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673504 / Propulsion (PP)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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. FY 2026 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 (TR-3) 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) packages as required. F135 ECU will continue funding risk reduction design and facilitate delivery of long lead material for future ground test engines. FY 2027 Base Plans: Continue Organizational Level support for all F135 Flight Test Block 4 Propulsion Systems and Intermediate Level support for a select few Propulsion systems as required by the Test & Evaluation team. This will include Engine Flight Test Mechanics, Flight Test Engineering, Engine Hardware, Test Engine Procurements, and other associated government costs. This support will transition to Organic support increasingly over the 2027 calendar year, to the fullest extent possible. This 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						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673504 / Propulsion (PP)				
B. Accomplishments/Planned Programs (\$ in Millions) required. F135 ECU will continue funding risk reduction design, transition into the Engineering & Manufacturing Development phase, and facilitate delivery of long lead material for future ground test engines. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 for F135 engine modernization efforts is due to the effort to accelerate the development and delivery of F135 ECU and F-35 PTMU. Both are critical propulsion upgrades for enhanced fleet readiness. Acceleration allows for achieving target fielding dates as well as support to the Block 4 aircraft.				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOO	FY 2027 Total
Accomplishments/Planned Programs Subtotals				166.054	120.967	94.102	0.000	94.102
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 2027 Air Force **Date:** April 2026

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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 C2D2 Propulsion DT Aircraft Procurement Engines	C/CPIF	Pratt & Whitney : East Hartford, CT	12.739	-		8.211	Apr 2026	-		-		-	0.000	20.950	-
PP Prime PW C2D2Propulsion Flight Test	C/CPIF	Pratt & Whitney : East Hartford, CT	42.881	13.666	Dec 2024	10.376	Dec 2025	10.525	Nov 2026	-		10.525	Continuing	Continuing	-
PP DevSecOps EmulationLab	C/CPIF	Pratt & Whitney : East Hartford, CT	38.791	0.000		-		0.000		-		0.000	0.000	38.791	-
PP F135 Engine Modernization Development	Various	Various : Various	61.211	0.100	Jan 2025	1.000	Jan 2026	2.000	Apr 2027	-		2.000	Continuing	Continuing	-
PP F135 Engine Modernization Risk Reduction	SS/CPIF	Pratt & Whitney : East Hartford, CT	211.069	152.288	Dec 2024	100.780	Nov 2025	76.277	Oct 2026	-		76.277	Continuing	Continuing	-
PP F135 Engineering & Manufacturing Development (EMD)	SS/CPIF	Pratt & Whitney : East Hartford, CT	0.000	0.000		-		4.000	Apr 2027	-		4.000	Continuing	Continuing	-
Subtotal			366.691	166.054		120.367		92.802		-		92.802	Continuing	Continuing	N/A

Remarks

A new cost category for "PP F135 Engineering & Manufacturing Development (EMD)" has been established in FY2027 to support the program's transition from Risk Reduction into EMD activities.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PP Program Management Support	Various	Various : TBD	0.000	-		0.600	Nov 2025	1.300	Nov 2026	-		1.300	Continuing	Continuing	-
Subtotal			0.000	-		0.600		1.300		-		1.300	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2					Project (Number/Name) 673504 / Propulsion (PP)			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	366.691	166.054		120.967		94.102		-		94.102	Continuing	Continuing	N/A

Remarks

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

Date: April 2026

Appropriation/Budget Activity
3600 / 7

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

Project (Number/Name)
673504 / Propulsion (PP)

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
673504																												
Propulsion (PP): P&W Flight Test																												
Engine Core Upgrade (ECU): Risk Reduction Efforts																												
Engine Core Upgrade (ECU): Risk Reduction Design Review																												
Engine Core Upgrade (ECU): EMD Phase																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673504 / Propulsion (PP)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
673504				
Propulsion (PP): P&W Flight Test	1	2025	4	2031
Engine Core Upgrade (ECU): Risk Reduction Efforts	1	2025	3	2027
Engine Core Upgrade (ECU): Risk Reduction Design Review	3	2027	3	2027
Engine Core Upgrade (ECU): EMD Phase	3	2027	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673505 / Maintenance Systems (MxS)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673505: Maintenance Systems (MxS)	127.159	32.526	39.573	37.406	0.000	37.406	34.304	70.426	71.768	73.221	Continuing	Continuing
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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Operational Data Integrated Network (ODIN)	32.526	39.573	37.406	-	37.406
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					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673505 / Maintenance Systems (MxS)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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.						
FY 2026 Plans: FY2026 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 2027 Base Plans: In Fiscal Year 2027, the ODIN program will achieve critical modernization milestones, establishing the technical foundation for a fully capable and resilient system. These efforts directly support enhanced operational availability and reduce long-term sustainment costs. Key deliverables include: 1) Advanced Software Suite; Deliver the next major ODIN software release, introducing enhanced capabilities and improved user functionality; 2) Next-Generation Hardware; Commence development of the next-generation hardware platform, ensuring technological superiority and mitigating obsolescence; 3) Contested Logistics Support; Integrate and test key hardware components to enable decentralized maintenance operations; This is a critical capability for sustaining the force in contested or dispersed operational environments; and 4) Predictive Maintenance; Develop modernized Prognostics and Health Management (PHM) algorithms to predict system failures before they occur, increasing platform readiness and reducing lifecycle costs. These critical milestones establish the core technical foundation for ODIN, marking a pivotal transition towards a fully modernized system.						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased from FY2026 to FY2027 to align with F-35 cost share ratios in FY2027.						
Accomplishments/Planned Programs Subtotals		32.526	39.573	37.406	-	37.406

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	68.226	16.519	Nov 2025	27.254	Jan 2026	24.971	Jan 2027	-		24.971	Continuing	Continuing	-
Prime PW ODIN	C/CPFF	PW : East Hartford, CT	10.702	-		1.096	Mar 2026	1.559	May 2027	-		1.559	Continuing	Continuing	-
Prime PHM	C/CPFF	LM : Fort Worth, TX	2.900	-		-		-		-		-	Continuing	Continuing	-
Subtotal			81.828	16.519		28.350		26.530		-		26.530	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ODIN Development Support - (SAGE)	Various	Various : TBD	40.931	2.050	Nov 2024	3.938	Jan 2026	3.272	Jan 2027	-		3.272	Continuing	Continuing	-
ODIN Development Support - DTIC (DESA)	Various	DESA : WPAFB, OH	3.000	3.348	Nov 2024	1.246	Jun 2026	0.990	Dec 2026	-		0.990	Continuing	Continuing	-
ODIN Development Support - NIWC	Various	NIWC : Charleston, SC	1.400	1.290	Nov 2024	0.997	Nov 2025	0.919	Jan 2027	-		0.919	Continuing	Continuing	-
ODIN Development Support - Platform Environment	Various	Various : TBD	0.000	7.100	Nov 2024	2.889	Jan 2026	3.711	Oct 2026	-		3.711	Continuing	Continuing	-
ODIN Development Support - 309th SWEG	Various	309th SWEG : Hill AFB, UT	0.000	2.219	Nov 2024	2.153	Nov 2025	1.984	Mar 2027	-		1.984	Continuing	Continuing	-
Subtotal			45.331	16.007		11.223		10.876		-		10.876	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			127.159	32.526		39.573		37.406		-		37.406	Continuing	Continuing	N/A
Remarks															

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604840F / F-35 C2D2

Project (Number/Name)

673505 / Maintenance Systems (MxS)

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
USAF (673505)																												
Operational Data Integrated Network (ODIN): Hardware																												
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 Configuration, Software Development, and Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673505 / Maintenance Systems (MxS)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
USAF (673505)				
Operational Data Integrated Network (ODIN): Hardware	1	2025	4	2026
Operational Data Integrated Network (ODIN): Hardware Development - Next Gen	1	2025	4	2031
Operational Data Integrated Network (ODIN): Software Architecture Development	1	2025	4	2026
Operational Data Integrated Network (ODIN): Software Continuous Development (Prototyping, Dev, Int/Test, Fielding)	1	2025	4	2031
Operational Data Integrated Network (ODIN): ALIS Containerization (incl. Prototyping, Dev, Int/Test, Fielding)	1	2025	4	2028
Operational Data Integrated Network (ODIN): Platform Development	1	2025	4	2026
Operational Data Integrated Network (ODIN): Platform Continuous Development (Prototyping, Dev, Int/Test, Fielding)	1	2025	4	2031
Operational Data Integrated Network (ODIN): Integrated Data Environment Development	1	2025	4	2026
Operational Data Integrated Network (ODIN): Data Architecture Continuous Development (Prototyping, Dev, Int/Test, Fielding)	1	2025	4	2031
Operational Data Integrated Network (ODIN): Legacy Modernization and Migration	1	2025	4	2031
Operational Data Integrated Network (ODIN): COTS/GOTS Application Configuration, Software Development, and Integration	1	2025	4	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673506 / Combat Data Systems (CDS)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673506: Combat Data Systems (CDS)	128.240	38.025	46.716	40.002	0.000	40.002	41.085	41.860	42.657	43.520	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
F-35 Combat Data Systems (CDS) Program Management Office mission includes 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.												
The FY2027 request for Combat Data Systems includes \$40,002 thousand of discretionary and \$19,000 thousand of mandatory for a total of \$59,002 thousand for Block 4 capability development.												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Title: Joint Reprogramming Environment (JRE)							18.047	20.250	19.702	-	19.702	
Description: JRE is investment and modernization activities required for Block 4 development, integration, test and evaluation of Mission Data File software Tools and Verification & Validation System hardware and software to produce and certify operational F-35 Mission Data Files. 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 and Rapid Reprogramming activities												
FY 2026 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												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / Combat Data Systems (CDS)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
& 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 Development Capability 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 for improving the velocity of MDF development, improving the tools available to the reprogramming laboratories to process and reprogaming operational data, and to support rapid reprogramming activities. FY 2027 Base Plans: Continue software development efforts that deploy software tools to increase capacity within the reprogramming laboratories. Continue ongoing efforts to support aircraft in relation to Continuous Development Capability Delivery (C2D2). Continue to upgrade Reprogramming Verification & Validation Systems (RVVS) to meet the Block 4 capability requirements and meet next generation threats. Complete 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. Complete 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 reprogramming operational data, and to support rapid reprogramming activities. FY 2026 to FY 2027 Increase/Decrease Statement: When considering the FY2027 mandatory funding in addition to discretionary funding, the increase from FY2026 to FY2027 reflects funds needed for Block 4 integration and Air System Alignment, which is required to ensure mission readiness.						
Title: Mission Planning Environment (MPE) Description: MPE is investment and modernization activities required for Block 4 development, integration, test and evaluation of Mission Planning Software/Hardware. Funding related to key deliveries to F-35 Operational Squadrons and enables government and contractor labor for mission planning support environment. Other		19.978	26.466	20.300	-	20.300

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026					
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / Combat Data Systems (CDS)				
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
costs support Technology Investment for key Modernization/Innovation activities and Cloud-based network infrastructure.								
FY 2026 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 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 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.								
FY 2027 Base Plans: Complete 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 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. Continue fielding agile increments of cloud-developed NextGen Open Mission Systems (NOMS) mission planning software, leveraging DevSecOps development pipeline; complete development of classified components on IL6+ JPO Cloud environment. Continue efforts to improve data transfer layer for improved operational data movement. Continue to build upon MPSE efforts to partner with government organizations for software development and contract directly with equipment suppliers and continue to reduce overhead costs and management burdens.								
FY 2026 to FY 2027 Increase/Decrease Statement:								

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / <i>Combat Data Systems (CDS)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC
When considering the FY2027 mandatory funding in addition to discretionary funding, the increase from FY2026 to FY2027 reflects funds needed for Block 4 capabilities included in Next-Generation Mission Planning Environment development and Air System Alignment, which is required to ensure mission readiness.					
Accomplishments/Planned Programs Subtotals		38.025	46.716	40.002	-
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
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.					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673506 / Combat Data Systems (CDS)

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JRE Development - CRT Inc (MVP and MVCR)	C/CPIF	LM : Fort Worth, TX	36.802	1.025	Feb 2025	5.900	Nov 2025	7.550	Nov 2026	-		7.550	Continuing	Continuing	-
JRE Development - RVVS	C/CPIF	LM : Fort Worth, TX	24.622	8.250	Nov 2024	3.350	Nov 2025	4.000	Nov 2026	-		4.000	Continuing	Continuing	-
JRE Development - TR-3	C/CPIF	LM : Fort Worth, TX	3.729	0.000		-		-		-		-	0.000	3.729	-
JRE Development - Block 4 Capability Delivery (P2.3 Mod 5, BFC)	C/CPIF	LM : Fort Worth, TX	9.786	8.117	Aug 2025	10.450	Jul 2026	4.702	Nov 2026	-		4.702	Continuing	Continuing	-
JRE Development - Rapid Reprogramming	C/CPIF	LM : Fort Worth, TX	0.438	0.000		0.550	Dec 2025	0.550		-		0.550	0.000	1.538	-
JRE Development - Capability Development	MIPR	Eglin AFB : Eglin AFB, FL	11.720	0.655	Dec 2024	-		2.900	Nov 2026	-		2.900	Continuing	Continuing	-
MPE Development - F-35 Next Generation Mission Planning	C/CPIF	LM : Fort Worth, TX	18.594	14.979	Nov 2024	18.600	Mar 2026	16.100	Nov 2026	-		16.100	Continuing	Continuing	-
MPE Development - Capability Development	MIPR	Eglin AFB : Eglin AFB, FL	0.000	4.999	Nov 2024	7.866	Dec 2025	4.200	Nov 2026	-		4.200	Continuing	Continuing	-
Prior Year JRE Development no longer funded in the FYDP	C/CPFF	LM : Fort Worth, TX	0.000	-		-		-		-		-	0.000	0.000	-
Subtotal			105.691	38.025		46.716		40.002		-		40.002	Continuing	Continuing	N/A

Remarks
When considering the FY2027 mandatory funding in addition to discretionary funding, the increase from FY2026 to FY2027 reflects funds needed for Block 4 integration and Air System Alignment, which is required to ensure mission readiness.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JRE Development Support	MIPR	Eglin AFB : Eglin AFB, FL	14.849	0.000	Dec 2024	-		-		-		-	0.000	14.849	-
MPE Development Support	MIPR	Eglin AFB : Eglin AFB, FL	7.700	0.000	Dec 2024	-		-		-		-	0.000	7.700	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673506 / Combat Data Systems (CDS)					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			22.549	0.000		-		-		-		-	0.000	22.549	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			128.240	38.025		46.716		40.002		-		40.002	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673506 / Combat Data Systems (CDS)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 - DevSecOps -NOMS Cloud Development (Multiple)																												
Mission Planning Environment (MPE): OGCs - Contracts																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 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	2025	4	2029
Joint Reprogramming Environment (JRE): Reprogramming Verification & Validation Systems(RVVS)	3	2025	4	2029
Joint Reprogramming Environment (JRE): Block 4 Air System Alignment,Hardware,Training	2	2025	4	2031
Joint Reprogramming Environment (JRE): Rapid Reprogramming Initiatives	1	2026	4	2031
Mission Planning Environment (MPE): TR-3/Enablers for TR-3 - MPE USRL TR-3 Configuration	1	2025	4	2031
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 1	4	2025	3	2027
Mission Planning Environment (MPE): F-35 Next Gen Mission Planning - Inc 2	2	2025	4	2031
Mission Planning Environment (MPE): MPE NOMS DSOP - DevSecOps -NOMS Cloud Development (Multiple)	2	2025	4	2031
Mission Planning Environment (MPE): OGCs - Contracts	1	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673507 / Training Systems & Simulation			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673507: Training Systems & Simulation	225.934	44.680	74.332	72.022	0.000	72.022	71.076	72.416	73.796	75.290	Continuing	Continuing
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 Architecture (TSA) Development, 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 accelerating development of Block 4 capabilities to equivalent maturity of those in the Air Vehicle, 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 Architecture (TSA) Development: 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 including expansion of JSE Operational Enclave (JOE) T&E infrastructure at LM to facilitate accelerated JOE test activities and earlier fielding of USAF JOE training capability.

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

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

The FY2027 request for Training Systems & Simulation includes \$72,022 thousand of discretionary and \$18,000 thousand of mandatory for a total of \$90,002 thousand for Block 4 capability development.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Training Systems Capability Development (TSCD) 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 accelerated development of capabilities to equivalent maturity of those in the Air Vehicle, continued development of the Production Runtime Server (PRTS) - Pilot Training Device TR-3 equivalent - to enable CI1-3 capabilities, continued development of Live-Virtual Constructive (LVC) capabilities including Distributed Mission Training (DMT), and appropriate lab infrastructure to enable Training System development. FY 2026 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 FY2027. 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 Based Simulation (EBS) will continue design, development, and integration activities to support requirements analysis and pilot training tasks. FY 2027 Base Plans: Efforts will continue to support development, integration and test of Block 4 capabilities in the Training System with a focus on accelerating 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 FY2028. Additionally, the Production RunTime Server (PRTS) will complete 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 Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Services. Within the Live- Virtual-Constructive (LVC) portfolio, requirements derivation and planning activities for Enhanced Embedded Training will continue to evolve to support the US Service's LVC integrated training environment. Training System lab infrastructure assets		24.700	39.670	40.392	-	40.392

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
will be configured to enable current and future Training System development activities across the portfolio. Effects Based Simulation, FENIX (F-35 Emulated Non-OFP Interoperability Xperience), will continue design, development, and integration activities to support requirements analysis and pilot training tasks. FY 2026 to FY 2027 Increase/Decrease Statement: Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 is due to accelerated efforts to close the development gap between Training Systems and Air Vehicle Mission Systems to achieve improvement in delivering an aligned Air System to the warfighter which is required to ensure mission readiness.						
Title: Training Systems Architecture (TSA) Development 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 2026 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 FY2027. Additionally, F-35 Lightning Integrated Training Environment (FLITE) will continue critical development, integration and test activities with the first delivery expected in FY2028. 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 2027 Base Plans: Efforts will continue to support analysis, design, development, integration and test of Block 4 capabilities in the Training System with a focus on accelerating equivalent capability maturity between the Training System and other elements of the Air System and preparing relevant capability upgrades (Pilot Training, Maintainer		8.400	10.000	9.000	-	9.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Training, Instructional Products) for release to the fleet in FY2028. Additionally, F-35 Lightning Integrated Training Environment (FLITE) will complete critical development, integration and test activities to enable the first delivery in FY2028. 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 Cross Domain Solutions (CDS) to enable fully integrated DMT across the F-35 Services. 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 2026 to FY 2027 Increase/Decrease Statement: Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 is due to TSS PMO ramping up efforts that are critical to delivering training devices to ensure Air System Alignment. TSS PMO will accelerate architecture development activities on the F-35 Lightning Integrated Training Environment (FLITE), which is a critical enabler to delivering Block 4 training capability.						
Title: Joint Simulation Environment (JSE) Development Description: Development and testing efforts will continue with a focus on 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 including the USAF JSE Operational Enclave (JOE). FY 2026 Plans: 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. FY 2027 Base Plans: 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		11.580	24.662	22.630	-	22.630

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673507 / Training Systems & Simulation	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base
verification of Block 4 capabilities. Efforts will continue toward expansion of JSE capability to F-35 Training Sites and providing a high-fidelity operational test laboratory for the F-35. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 is to facilitate expanded JSE T&E infrastructure to accelerate test activities resulting in accelerated integration of FIAB into the JSE enabling schedule-relevant execution of OT requirements in the FIAB-JSE simulated environment as well as earlier delivery of JSE-based training capability to the warfighter and an operationally representative simulated environment to support tactics development to enhance mission readiness.					FY 2027 OOC
Accomplishments/Planned Programs Subtotals			44.680	74.332	72.022
					-
					72.022
C. Other Program Funding Summary (\$ in Millions)					
N/A					
Remarks					
D. Acquisition Strategy					
The majority of Training System capability development requirements will be executed via training specific CLINs in Enterprise-level development contracts (Block 4 - Phase 2.3, Development Foundation). Training System Architecture requirements will be executed via a combination of training specific CLINs in Enterprise level contracts and TSS PMO specific contract actions. JSE development requirements will be executed via a combination of Enterprise-level contract actions and MIPR transactions to support OGC activities.					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2			Project (Number/Name) 673507 / Training Systems & Simulation				

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prime LM Training SystemAlignment (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	77.921	15.300	Dec 2024	22.000	Nov 2025	15.522	Nov 2026	-		15.522	Continuing	Continuing	156.494
Prime LM PTD TR-3Development (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	30.836	5.700	Dec 2024	6.500	Nov 2025	8.405	Nov 2026	-		8.405	Continuing	Continuing	87.945
Prime LM Training Lab Infrastructure (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	28.745	2.600	Sep 2025	7.500	Nov 2025	10.515	Nov 2026	-		10.515	Continuing	Continuing	73.316
Live-Virtual- Constructive (LVC) - DMT (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	3.500	0.000	Nov 2024	2.500	Nov 2025	1.500	Nov 2026	-		1.500	Continuing	Continuing	35.389
Effects Based Simulation Development (TSCD)	WR	NAWCAD : Patuxent River, MD	2.700	0.000	Nov 2024	1.170	Nov 2025	1.200	Nov 2026	-		1.200	Continuing	Continuing	15.258
Hardware Re-architecture (TSA)	MIPR	DTIC : Fort Belvoir, TX	6.733	0.000	Dec 2024	-		0.000	Nov 2026	-		0.000	0.000	6.733	20.223
Software Re-architecture (TSA)	C/CPIF	Lockheed Martin : Ft. Worth, TX	13.973	8.400	Nov 2024	10.000	Nov 2025	7.350	Nov 2026	-		7.350	Continuing	Continuing	46.379
Synthetic Threat Enhancement (TSA)	C/CPIF	Lockheed Martin : Ft. Worth, TX	0.350	0.000	Nov 2024	-		1.650	Nov 2026	-		1.650	0.000	2.000	16.664
Prime LM FIABDevelopment (JSE)	C/CPIF	Lockheed Martin : Ft. Worth, TX	23.969	6.000	Jun 2025	6.500	Nov 2025	7.765	Nov 2026	-		7.765	Continuing	Continuing	55.394
TCTS II Development (TSCD)	C/CPIF	Lockheed Martin : Ft. Worth, TX	0.000	-		-		3.250	Nov 2026	-		3.250	0.000	3.250	-
Subtotal			188.727	38.000		56.170		57.157		-		57.157	Continuing	Continuing	N/A

Remarks The cost category TCTS II Development (TSCD) was added for PB27 submission. The Joint Program Office (JPO) is partnering with the NAVAIR Program Office for Tactical Combat Training System - Increment II (TCTS II) on development of an internal mount TCTS II solution for F-35. Early TCTS II integration activities are planned to begin in FY2027. Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 is due to accelerated efforts to close the development gap between Training Systems and Air Vehicle Mission Systems to achieve improvement in delivering an aligned Air System to the warfighter which is required to ensure mission readiness. Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 for Prime LM FIAB Development (JSE) is due to accelerated engineering efforts required to align FIAB-JSE development, integration and validation activities with Operational Test (OT) Flight Test activities yielding a robust capability to verify the effectiveness of Block 4 capabilities in a simulated environment. These engineering efforts will also result in accelerated delivery of an operationally representative simulation environment to support tactics development as well as JSE-based training capability to the warfighter.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0604840F / F-35 C2D2

Project (Number/Name)

673507 / Training Systems & Simulation

Support (\$ in Millions)

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Pax Development Support(JSE)	WR	NAWCAD : NAS Patuxent River, MD	29.232	5.000	Nov 2024	15.000	Nov 2025	5.824	Nov 2026	-		5.824	Continuing	Continuing	50.892
Other Development Support(JSE)	Various	Various : Various	7.839	0.600	Apr 2025	3.162	Nov 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	5.063
EBS Development Support(JSE)	Various	Various : Various	0.136	1.080	Jan 2025	-		-		-		-	Continuing	Continuing	1.539
T&E Infrastructure Support (JSE)	C/CPIF	Lockheed Martin : Ft. Worth, TX	0.000	-		-		9.041	Nov 2026	-		9.041	0.000	9.041	-
Subtotal			37.207	6.680		18.162		14.865		-		14.865	Continuing	Continuing	N/A

Remarks

The cost category T&E Infrastructure Support (JSE) was added for PB27 submission. Expanded FIAB-JSE T&E infrastructure is required at LM to support accelerated development, integration and validation of the FIAB-JSE simulated environment in support of OT, training and tactics development requirements.

Considering FY2027 mandatory funding in addition to discretionary, the increase from FY2026 to FY2027 is to facilitate expanded JSE T&E infrastructure at LM to accelerate test activities resulting in accelerated integration of FIAB into the JSE enabling schedule relevant execution of OT requirements in the FIAB-JSE simulated environment as well as earlier delivery of JSE-based training capability to the warfighter and an operationally representative simulated environment to support tactics development to enhance mission readiness.

	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	225.934	44.680	74.332	72.022	-	72.022	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673507 / Training Systems & Simulation

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

673507																												
Training System Capability Development (TSCD): Training System Capability Development																												
Training System Capability Development (TSCD): Training System Lab Infrastructure																												
Training System Capability Development (TSCD): Production Run-Time Server (PRTS) TR-3Development																												
Training System Capability Development (TSCD): Effects Based Simulation (EBS) CapabilityDevelopment																												
Training System Capability Development (TSCD): Distributed Mission Training (DMT)																												
Training Systems Investments (TSI): F-35 Lightning Integrated Training Environment (FLITE)																												
Training Systems Investments (TSI): Weapon Service Development																												
Training Systems Investments (TSI): Common Training Services																												
Training Systems Investments (TSI): Synthetic Threat Environment																												
Joint Simulation Environment (JSE) Development): Joint Simulation Environment, Capability Development & Air System Alignment																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																			Date: April 2026									
Appropriation/Budget Activity 3600 / 7									R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2								Project (Number/Name) 673507 / Training Systems & Simulation											
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Joint Simulation Environment (JSE) Development): JSE Threat and Weapon Model Development																												
Joint Simulation Environment (JSE) Development): JSE Block 4 Capability Development																												
Joint Simulation Environment (JSE) Development): F-35 In-A-Box (FIAB) Block 4 Capability Development																												
Joint Simulation Environment (JSE) Development): F-35 30S08 FIAB & JSE Ready for FOT&E																												
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 2027 Air Force			Date: April 2026
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 (TSCD): Training System Capability Development	1	2025	4	2031
Training System Capability Development (TSCD): Training System Lab Infrastructure	1	2025	4	2031
Training System Capability Development (TSCD): Production Run-Time Server (PRTS) TR-3Development	1	2025	1	2028
Training System Capability Development (TSCD): Effects Based Simulation (EBS) CapabilityDevelopment	1	2025	4	2031
Training System Capability Development (TSCD): Distributed Mission Training (DMT)	1	2025	4	2031
Training Systems Investments (TSI): F-35 Lightning Integrated Training Environment (FLITE)	1	2025	1	2028
Training Systems Investments (TSI): Weapon Service Development	1	2025	4	2031
Training Systems Investments (TSI): Common Training Services	1	2025	4	2031
Training Systems Investments (TSI): Synthetic Threat Environment	1	2025	4	2031
Joint Simulation Environment (JSE) Development): Joint Simulation Environment, Capability Development & Air System Alignment	1	2025	4	2031
Joint Simulation Environment (JSE) Development): JSE Threat and Weapon Model Development	1	2025	4	2031
Joint Simulation Environment (JSE) Development): JSE Block 4 Capability Development	1	2025	4	2031
Joint Simulation Environment (JSE) Development): F-35 In-A-Box (FIAB) Block 4 Capability Development	1	2025	4	2031
Joint Simulation Environment (JSE) Development): F-35 30S08 FIAB & JSE Ready for FOT&E	3	2025	3	2025
Joint Simulation Environment F-35 30S08 F-35 In-A-Box and JSE FOT&E	1	2026	1	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673508 / Infrastructure & Support Costs			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673508: Infrastructure & Support Costs	280.726	159.122	130.313	90.885	0.000	90.885	94.270	95.945	97.765	99.745	Continuing	Continuing
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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: F-35 JPO AFLCMC Civilian Pay	113.500	95.340	69.257	-	69.257
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 2026 Plans: Continue to fund the F-35 Joint Program Office acquisition and product support workforce.					
FY 2027 Base Plans: Continue to fund the F-35 Joint Program Office acquisition and product support workforce.					
FY 2026 to FY 2027 Increase/Decrease Statement:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026					
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673508 / Infrastructure & Support Costs				
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Funding projected to decrease due to 2025 DoD Deferred Resignation Program reduction to civilian workforce.								
Title: Core Program Support/Contract Support Services (CSS) Support				45.622	34.973	21.628	-	21.628
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 2026 Plans: Continue to support program office efforts, including National Capitol Region/Northern VA and Dayton, OH program unique off-base lease and infrastructure 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 2027 Base Plans: Continued support of program office efforts, including National Capitol Region/Northern VA and Dayton, OH program unique off-base lease and infrastructure 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 to FY 2027 Increase/Decrease Statement: Funding decreased due to project realignments to match program lifecycle phase, post-milestone C Full Rate Production.								
Accomplishments/Planned Programs Subtotals				159.122	130.313	90.885	-	90.885
C. Other Program Funding Summary (\$ in Millions)								
N/A								
Remarks								
FY2025 PB27 C2D2 I&SC budget control reflects funding that was postured to support civilian pay during government shut down.								
D. Acquisition Strategy								
N/A								

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673508 / Infrastructure & Support Costs

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Core Program Support Cyber Risk Reduction	Various	Eglin AFB : TBD	2.816	0.425	Dec 2024	-		-		-		-	0.000	3.241	-
Core Program Support Model-Based Systems Engineering	Various	Four LLC : Herndon, VA	1.423	0.678	Aug 2025	-		-		-		-	Continuing	Continuing	-
Core Program Support Air Worthiness Support and Cyber Safe Support	Various	DTIC : TBD	0.000	-		-		-		-		-	0.000	0.000	-
Subtotal			4.239	1.103		-		-		-		-	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
F-35 JPO AFLCMC Civilian Pay	MIPR	Wright Patterson AFB, OH : TBD	196.654	113.500	Oct 2024	95.340	Oct 2025	69.257	Oct 2026	-		69.257	Continuing	Continuing	-
CSS Support	Various	DTIC : TBD	22.315	5.597	Nov 2024	3.893	Nov 2025	3.050	Nov 2026	-		3.050	Continuing	Continuing	-
Civ Support	RO	NWCF/EDW AFB : TBD	0.286	0.109	Dec 2024	-		-		-		-	0.000	0.395	-
Core Program Support Audit Data Integration	MIPR	DTIC : TBD	3.462	1.300	Mar 2025	-		-		-		-	0.000	4.762	-
Core Program Support Audit Accountable Property	MIPR	DLA : Philadelphia, PA	0.000	6.800	Jul 2025	7.200	Mar 2026	3.600	Mar 2027	-		3.600	0.000	17.600	-
Core Program Support IT software, hardware, and networks	MIPR	BAH : McLean, VA	8.454	4.147	Jul 2025	-		2.058	Jul 2027	-		2.058	Continuing	Continuing	-
Core Program Support Off-Base Leases	MIPR	WHS,USACE, 88th CPTS : NCR	40.757	25.282	Oct 2024	22.490	Oct 2025	12.530	Oct 2026	-		12.530	Continuing	Continuing	-
Core Program Support Travel	RO	Various : TBD	3.931	0.998	Oct 2024	1.060	Oct 2025	0.290	Oct 2026	-		0.290	Continuing	Continuing	-
Core Program Support GPC	Various	GPC : Arlington, VA	0.628	0.286	Oct 2024	0.330	Oct 2025	0.100	Oct 2026	-		0.100	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673508 / Infrastructure & Support Costs					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			276.487	158.019		130.313		90.885		-		90.885	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			280.726	159.122		130.313		90.885		-		90.885	Continuing	Continuing	N/A
Remarks															
FY2025 PB27 C2D2 I&SC budget control reflects funding that was postured to support civilian pay during government shut down.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0604840F / F-35 C2D2					673508 / Infrastructure & Support Costs									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
673508																												
Continued JPO Infrastructure and Support Costs																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673509 / DevSecOps			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673509: DevSecOps	59.193	13.031	19.870	19.660	0.000	19.660	4.588	4.675	4.764	4.860	Continuing	Continuing
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-premises infrastructure environments cost, ultimately resulting in reducing fleet delivery timelines.

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

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: DevSecOps Support	13.031	19.870	19.660	-	19.660
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					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673509 / DevSecOps		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
reducing long-term on-premise infrastructure environments cost, ultimately resulting in reducing fleet delivery timelines.						
FY 2026 Plans: 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 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 2027 Base Plans: Continue development and support for DevSecOps infrastructure, platform, software development pipeline, and joint F-35 organizational connections. Continue to revise the transition plan based on emerging requirements to support stand-up of 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						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673509 / DevSecOps	
<u>B. Accomplishments/Planned Programs (\$ in Millions)</u>				FY 2025	FY 2026
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/continuous Authority to Operate (ATO) and continuous Authority to Operate (cATO). Provide support to F-35 partners and foreign military sales for cloud and DevSecOps capabilities and collaboration and incorporation of multicloud strategy to reduce risk to long term sustainment of the F-35 Lightning II. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> No major changes from FY2026 to FY2027. Funding reflects FY2027 project needs in accordance with F-35 cost share rules.				FY 2027 Base	FY 2027 OOC
				FY 2027 Total	
Accomplishments/Planned Programs Subtotals				13.031	19.870
				19.660	-
<u>C. Other Program Funding Summary (\$ in Millions)</u>					
N/A					
<u>Remarks</u>					
<u>D. Acquisition Strategy</u>					
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	33.655	6.187	Jan 2025	10.805	Jan 2026	10.610	Jan 2027	-		10.610	Continuing	Continuing	-
DevSecOps Development Support - Licenses & Tools	C/FFP	August Schell Enterprises : Rockville, MD	12.667	3.924	Jun 2025	5.802	Jul 2026	5.800	Jul 2027	-		5.800	Continuing	Continuing	-
DevSecOps Development Support - Cloud Platform Service	C/FFP	Amazon Web Services : Settle, WA	12.871	2.920	Dec 2024	3.263	Mar 2026	3.250	Mar 2027	-		3.250	Continuing	Continuing	-
Subtotal			59.193	13.031		19.870		19.660		-		19.660	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			59.193	13.031		19.870		19.660		-		19.660	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673509 / DevSecOps	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 Research, Development and Test																												
AWS Impact Level 6+ (SAP) Research, Development and Test																												
Data Transfer as a Service (DTaaS) Research, Development and Test																												
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 2027 Air Force			Date: April 2026
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	2	2025	4	2031
Contract Award: DevSecOps Cloud Platform Service	2	2025	4	2031
Contract Award: DevSecOps: Licenses & Tools	4	2025	4	2031
<i>System Development</i>				
AWS Impact Level 5 Research, Development and Test	2	2025	4	2031
AWS Impact Level 6 Research, Development and Test	2	2025	4	2031
AWS Impact Level 6+ (SAP) Research, Development and Test	2	2025	4	2031
Data Transfer as a Service (DTaaS) Research, Development and Test	2	2025	4	2031
Cloud Gateway (Collateral) Research, Development and Test	2	2025	4	2031
Cloud Gateway (SAP) Research, Development and Test	4	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673510: Utility and Subsystem Support to Mission Systems	16.263	19.250	27.332	5.122	0.000	5.122	81.438	133.179	143.333	126.483	Continuing	Continuing
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.

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

Funding allocations at the project level have historically been subject to change due to the complexity of the F-35 budget structure and cost share ratios. The program will ensure any within-PE adjustments during execution year are reflected in future budget submissions.

The FY2027 request includes \$5,122 thousand of discretionary and \$71,959 thousand of mandatory for a total of \$77,081 thousand for acceleration of Engine and Power Thermal Management timelines.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Power Thermal Management Upgrade (PTMU)	19.250	27.332	5.122	0.000	5.122

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2		Project (Number/Name) 673510 / <i>Utility and Subsystem Support to Mission Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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 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. FY 2026 Plans: 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. FY 2027 Base Plans: Continue non-recurring engineering efforts to refine detailed requirements and define preferred configurations to meet fleet cooling needs. Transition non-recurring engineering into preliminary design of the selected Thermal Management Systems. This work includes the necessary labor and non-recurring engineering to support preliminary design and development of an upgraded PTMS, FTMS, and EPS through efforts such as requirements development, trade studies, technology maturation, technical risk reduction activities, establishing a digital program infrastructure through modeling leading. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Increased funding in FY2027 is required to start the initial Preliminary Design of the preferred configuration which will be selected in early FY2027.						
Accomplishments/Planned Programs Subtotals		19.250	27.332	5.122	0.000	5.122
C. Other Program Funding Summary (\$ in Millions)						
N/A						
Remarks						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2	Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems
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 the 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 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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems					

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PTMU Systems Analysis	SS/CPFF	Lockheed Martin : Fort Worth,, TX	16.263	19.250	May 2025	27.332	Mar 2026	0.122	Oct 2026	-		0.122	Continuing	Continuing	-
PTMU Preliminary Design	SS/CPIF	Lockheed Martin : Fort Worth,, TX	0.000	-		-		5.000	Apr 2027	-		5.000	Continuing	Continuing	-
Subtotal			16.263	19.250		27.332		5.122		-		5.122	Continuing	Continuing	N/A

Remarks

1. Cost Category "Digital Engineering" used prior to PB27 has been renamed to PTMU Preliminary Design.

	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	16.263	19.250		27.332		5.122		-		5.122	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2						Project (Number/Name) 673510 / Utility and Subsystem Support to Mission Systems			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Power Thermal Management Upgrade (PTMU)																												
PTMU: Early Lifecycle System Engineering																												
PTMU: Analysis of Alternatives (AoA)																												
PTMU: Preliminary Design - PMTU Configuration																												
PTMU: EMD Phase																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2	2027
PTMU: Analysis of Alternatives (AoA)	1	2025	2	2027
PTMU: Preliminary Design - PMTU Configuration	2	2027	4	2030
PTMU: EMD Phase	1	2031	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0604840F / F-35 C2D2				Project (Number/Name) 674871 / Information Operations Technology			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674871: Information Operations Technology	0.000	0.000	0.334	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Information Operations Technology Description: Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) Capabilities. FY 2026 Plans: Procure Microsoft 365 Enterprise Licensing Upgrades for Improved Zero Trust (ZT) Capabilities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased to reflect the transfer of Information Operations Technology (IOT) budget to reside under Infrastructure & Support Costs (I&SC), BPAC 673508.	0.000	0.334	-	-	-
Accomplishments/Planned Programs Subtotals	0.000	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 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)				Project (Number/Name)					
3600 / 7						PE 0604840F / F-35 C2D2				674871 / Information Operations Technology					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Enterprise Software Agreement (ESA)	C/FFP	Dell Marketing L.P. : Austin, TX	0.000	0.000		0.334		-		-		-	0.000	0.334	-
Subtotal			0.000	0.000		0.334		-		-		-	0.000	0.334	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.000		0.334		-		-		-	0.000	0.334	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0604840F / F-35 C2D2					674871 / Information Operations Technology									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Information Operations Technology																												
Enterprise Software Agreement (ESA)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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)	2	2026	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	48.523	63.172	31.777	0.000	31.777	31.777	27.350	22.535	23.098	0.000	248.232
676003: HRM Structural Development	0.000	48.523	63.172	31.777	0.000	31.777	31.777	27.350	22.535	23.098	0.000	248.232
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: N86												
Note In FY 2026, Project Air Force Integrated Personnel and Pay System (AF-IPPS), was terminated.												
A. Mission Description and Budget Item Justification The Air Force Integrated Personnel and Pay System (AFIPPS) is an Enterprise Resource Planning (ERP) program based on Oracle e-Business Suite (EBS), a commercial-off-the-shelf (COTS) solution, that contains both the Human Resources (HR) and Payroll modules. In alignment with a Department of War (DoW) directive to pursue a DoW-wide military pay solution, the Department of the Air Force (DAF) has halted development of AFIPPS. The Services have been instructed to align their Human Resource (HR) systems to the Defense Finance and Accounting Service's (DFAS) requirements once they are released. In Q2FY2026, the Program Executive Officer (PEO) was directed to terminate the Air Force Integrated Personnel and Pay System (AFIPPS) program and begin the orderly and expeditious shutdown of program activities while preserving the Military Personnel Data System (MilPDS) for capability support. The Office of the Under Secretary of War for Personnel & Readiness OUSW(P&R) instructed the Air Force to posture the legacy MilPDS system to support the Department of War (DoW) efforts to transform military pay. Post termination activities in FY2027, PE 0605018F, Project 676003, HRM Structural Development, efforts are planned to transfer to PE 1201212SF, project 670220, Datalake and UI/UX Development, in order to fund critical initiative activity to implement Personnel Management Act (PMA) Human Resource (HR) Information Technology (IT) Automation and develop a data layer within the existing Air Force Human Resources structure that can be utilized to meet current and future Space Force needs. These efforts will support the DoW requirement for updated HR systems in preparation for their DoW wide military pay initiative. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	49.739	64.050	0.000	0.000	0.000	
Current President's Budget	48.523	63.172	31.777	0.000	31.777	
Total Adjustments	-1.216	-0.878	31.777	0.000	31.777	
• 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	-1.216	-0.878				
• Other Adjustments	0.000	0.000	31.777	0.000	31.777	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: AFIPPS - System Integrator Development & Contractor Test				46.190	49.028	25.862
Description: Contract termination and program wind down efforts. Termination activities will focus on the systematic removal of payroll code and configurations to revert the software baseline to an HR-only system to align with the future single, departmental-wide military pay system. This technical effort includes the resolution of defects identified during testing and continuous cybersecurity assessments to ensure the integrity of the modified baseline.						
FY 2026 Plans:						
- Perform orderly termination activities.						
- Remove or disable payroll code, configurations, and interfaces from the software baseline to create a HR-only software baseline.						
- Stabilize HR Baseline to no longer account for software, processes, configurations, and interfaces related to the AFIPPS baseline.						
- Support government regression testing and User Evaluation Testing (UET) to ensure HR business processes are not negatively impacted by code and configuration removal.						
- Continue cybersecurity vulnerability scans on code and update the code as required.						
- Perform work in accordance with additional Department of War (DoW) guidance on Human Resource (HR) system alignment.						
FY 2027 Plans:						
- Will perform orderly termination activities.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0605018F I <i>AF Integrated Personnel and Pay System (AF-IPPS)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Will continue to remove or disable payroll code, configurations, and interfaces from the software baseline to create a HR-only software baseline. - Will continue to stabilize HR Baseline to no longer account for software, processes, configurations, and interfaces related to the AFIPPS baseline. - Will continue to support government regression testing and User Evaluation Testing (UET) to ensure HR business processes are not negatively impacted by code and configuration removal. - Will continue cybersecurity vulnerability scans on code and update the code as required. - Will perform work in accordance with Department of War (DoW) guidance on Human Resource (HR) system alignment. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased because pay development was halted in accordance with DoW direction.				
Title: AFIPPS - Government-Test and Evaluation Description: The test and evaluation has been re-scoped to support the refactoring and removal of payroll code, configurations and interface data exchanges from the software baseline. FY 2026 Plans: - Conduct manual and automated regression testing to ensure HR business processes are not negatively impacted by removal of the payroll module. - Conduct cybersecurity tests and evaluations. FY 2027 Plans: - Will complete manual and automated regression testing and UET to ensure HR business processes are not negatively impacted by removal of the payroll module. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased because pay development was halted in accordance with DoW direction.		2.333	14.144	5.915
Accomplishments/Planned Programs Subtotals		48.523	63.172	31.777
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0605018F I AF Integrated Personnel and Pay System (AF-IPPS)	
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 was working towards its first Limited Deployment Authority to Proceed (ATP) for a Limited Deployment in 2026. The acquisition strategy employs a single System Integrator and agile methodologies to develop, test and deploy pay and leave capabilities via an Oracle Enterprise Resource Planning (ERP) E-Business Suite (EBS). The primary system integrator contract includes pay system development, test, and deployment. The development activities were fully coordinated and integrated with the on-going operation and sustainment of the Military Personnel Data System (MilPDS). Due to system performance risks associated with a single-release of pay and leave to all Department of the Air Force (DAF) military members, the DAF restructured the program to execute Limited Deployments prior to a Full Deployment to all DAF military members. In third quarter fiscal year 2025, the Milestone Decision Authority (MDA) directed 90-day pause to allow the DAF to revalidate functional requirements. The 90-day strategic pause delayed the program's first Limited Deployment and refocused efforts on military pay requirements. The plan was for the DAF to conduct OT&E prior to each deployment. The OT&E strategy implemented a two-phased approach. Phase 1 comprised Operational Assessment or Operation Utility Evaluation testing to determine operational effectiveness and suitability prior to the Limited Deployment Authority to Proceed (ATP) decisions. Phase 2 comprised an Initial Operational Test and Evaluation (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 Authority to Proceed (ATP) decision, the AFIPPS pay/leave capability would be released to all Airmen and Guardians. After successfully completing all test initiatives, Full Deployment and a year-long sustainment with Air Force Operational Test and Evaluation Center (AFOTEC) led post deployment analysis, the DAF was going to transition AFIPPS to the Capability Support Phase. The contracting activities will focus on completing termination efforts.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)				Project (Number/Name) 676003 / HRM Structural Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Prime Software Developmental Efforts	C/CPIF	ACCENTURE FEDERAL SVCS : Arlington, VA	0.000	20.790	Oct 2024	1.100	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	165.435
AFIPPS Application Hosting Environment	MIPR	DISA EIS : Pensacola, FL	0.000	6.750	Oct 2024	3.581	Oct 2025	1.782	Oct 2026	-		1.782	Continuing	Continuing	-
AFIPPS Joint Warfighter Cloud Capability	C/FFP	Oracle America, Inc. : Redwood, CA	0.000	-		0.360	May 2026	0.259	May 2027	-		0.259	0.000	0.619	-
AFIPPS COTS Licences	Various	Various : Various	0.000	0.660	Apr 2025	-		-		-		-	0.000	0.660	-
AFIPPS Cloud Migration	TBD	TBD : TBD	0.000	-		6.000	May 2026	3.000	Oct 2026	-		3.000	Continuing	Continuing	-
AFIPPS Continuous Integration/Continuous Delivery (CI/CD) Pipeline	C/TBD	TBD : TBD	0.000	-		5.675	May 2026	-		-		-	0.000	5.675	-
AFIPPS HR Modernization and Code Improvement Study	TBD	TBD : TBD	0.000	-		1.400	May 2026	-		-		-	0.000	1.400	-
AFIPPS Financial Improvement and Audit Readiness (FIAR)	C/FP	Squared Technology Group : Pike Road, AL	0.000	1.001	Aug 2025	2.356	Aug 2026	1.380	Aug 2027	-		1.380	Continuing	Continuing	7.384
AFIPPS HR Modernization for Military Pay Transformation	C/CPFF	AST, LLC : Wichita Falls, TX	0.000	-		19.796	Mar 2026	9.585	Mar 2027	-		9.585	0.000	29.381	-
AFIPPS Direct Mission Support - HR & Pay Integration/Development	C/CPFF	AST, LLC : Wichita Falls, TX	0.000	6.000	Oct 2024	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	57.350
AFIPPS Direct Mission Support - Engineering & Cybersecurity	C/CPFF	Torch Tech,Inc : Huntsville, AL	0.000	3.907	Oct 2024	3.600	Oct 2025	3.162	Oct 2026	-		3.162	Continuing	Continuing	43.580
Subtotal			0.000	39.108		43.868		19.168		-		19.168	Continuing	Continuing	N/A
Remarks															
Costs are estimates and will deviate significantly as program termination costs are still under negotiation.															
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.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)				Project (Number/Name) 676003 / HRM Structural Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
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 of the Torch Tech Inc. contract includes efforts for both Product Development and Management Service.															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authorization Civilian Pay	TBD	Not specified. : TBD	0.000	0.435	Oct 2024	-		-		-		-	0.000	0.435	-
Subtotal			0.000	0.435		-		-		-		-	0.000	0.435	N/A
Remarks															
Costs are estimates and will deviate significantly as program termination costs are still under negotiation.															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Developmental Test & Evaluation (DT&E)	Various	Various : Various	0.000	0.774	Oct 2024	-		-		-		-	Continuing	Continuing	-
AFIPPS Lead Development Test Organization (DT&E)	PO	96th TSG : Eglin AFB, FL	0.000	-		0.504	Apr 2026	0.510	Apr 2027	-		0.510	0.000	1.014	-
AFIPPS Developmental Test & Evaluation II (DT&E)	C/CPAF	AST, LLD : Wichita Falls, TX	0.000	0.300	Oct 2024	6.856	Oct 2025	2.405	Oct 2026	-		2.405	Continuing	Continuing	-
AFIPPS Test Automation	TBD	TBD : TBD	0.000	-		6.784	May 2026	3.000	May 2027	-		3.000	0.000	9.784	-
AFIPPS Operational Test & Evaluation (OT&E)	PO	96th TSG : Eglin AFB, FL	0.000	0.059	Oct 2024	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)						Project (Number/Name) 676003 / HRM Structural Development			
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFIPPS Operational Test & Evaluation II (OT&E)	C/CPFF	AST, LLC : Wichita Falls, TX	0.000	1.200	Oct 2024	0.000	Oct 2025	0.000	Oct 2026	-		0.000	Continuing	Continuing	57.350
Subtotal			0.000	2.333		14.144		5.915		-		5.915	Continuing	Continuing	N/A
Remarks Costs are estimates and will deviate significantly as program termination costs are still under negotiation. 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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	3.475	Oct 2024	3.300	Oct 2025	3.085	Oct 2026	-		3.085	Continuing	Continuing	43.580
AFIPPS Other Program Support Cost	Various	Various : Various	0.000	3.172	Nov 2024	1.860	Nov 2025	3.609	Nov 2026	-		3.609	Continuing	Continuing	-
Subtotal			0.000	6.647		5.160		6.694		-		6.694	Continuing	Continuing	N/A
Remarks Costs are estimates and will deviate significantly as program termination costs are still under negotiation. The total target value of the of the Torch Tech Inc. contract includes efforts for both Product Development and Management Service.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	48.523		63.172		31.777		-		31.777	Continuing	Continuing	N/A
Remarks Costs are estimates and will deviate significantly as program termination costs are still under negotiation.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026							
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0605018F / AF Integrated Personnel and Pay System (AF-IPPS)								Project (Number/Name) 676003 / HRM Structural Development			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integrated Personnel and Pay System																												
Milestone Decision Authority (MDA) Decision to Halt Pay Development																												
Additional Development Activities (Transactional/Reporting)																												
Government Integrated Test and Evaluation Activities (DT&E, OT&E)																												
Cybersecurity Evaluation (CSE)																												
Payroll Module Removal and other termination tasks																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605018F / <i>AF Integrated Personnel and Pay System (AF-IPPS)</i>	Project (Number/Name) 676003 / <i>HRM Structural Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Integrated Personnel and Pay System</i>				
Milestone Decision Authority (MDA) Decision to Halt Pay Development	2	2026	2	2026
Additional Development Activities (Transactional/Reporting)	1	2025	2	2026
Government Integrated Test and Evaluation Activities (DT&E, OT&E)	1	2025	2	2026
Cybersecurity Evaluation (CSE)	1	2025	2	2026
Payroll Module Removal and other termination tasks	3	2026	1	2028

Note

Developmental Test & Evaluation (DT&E)
Operational Test & Evaluation (OT&E)

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605024F I Anti-Tamper Technology Executive Agency							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	65.434	62.803	130.610	0.000	130.610	172.320	142.894	117.132	117.632	Continuing	Continuing
675066: Anti-Tamper Technology Executive Agent	0.000	65.434	62.803	130.610	0.000	130.610	172.320	142.894	117.132	117.632	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): N42												
A. Mission Description and Budget Item Justification												
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.												
AT directly enables critical program information (CPI) resilience. AT protects CPI, in 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.												
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.												
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 but are not limited to: 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.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 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. Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes. This program element 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 2.909M was expended for civilian pay expenses in this program element, in FY25 3.858M was expended for civilian pay expenses in this program element, and in FY26 3.280M 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		65.792	62.965	0.000	0.000	0.000
Current President's Budget		65.434	62.803	130.610	0.000	130.610
Total Adjustments		-0.358	-0.162	130.610	0.000	130.610
• Congressional General Reductions		0.000	-0.162			
• 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		-0.358	0.000			
• Other Adjustments		0.000	0.000	130.610	0.000	130.610
Change Summary Explanation						
The FY25 to FY26 decrease due to higher AF priorities						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0605024F / <i>Anti-Tamper Technology Executive Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: DoD Anti-Tamper Technology Executive Agent (DoD ATEA) Description: AT technology and product development/coordination, roadmaps, Model Based System Engineering (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 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 2027 Plans: Continue to validate and evaluate AT implementations on all DoD Acquisition programs; initiate and continue product development, maturation and integration 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 2026 to FY 2027 Increase/Decrease Statement: Increase is due to the Department requesting additional resourcing to address gaps with developing, maturing, integrating, and supporting Anti-Tamper Solutions.		49.190	47.512	107.200
Title: DoD ATEA Program Management Support Description: Includes civilian pay, Advisory and Assistance Services (A&AS), outreach and education, travel, supplies, and ATEA Field Program Office support. FY 2026 Plans: Continuing support for program office efforts, including civilian pay, A&AS, intelligence support, outreach and education, travel, and supplies. FY 2027 Plans:		10.209	10.295	16.154

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0605024F / <i>Anti-Tamper Technology Executive Agency</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continuing support for program office efforts, including civilian pay, A&AS, intelligence support, outreach and education, travel, and supplies.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase is due to the Department requesting additional resourcing to address gaps with developing, maturing, integrating, and supporting Anti-Tamper Solutions.				
Title: Air Force Anti-Tamper Technology and Product Development		6.035	4.996	7.256
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 AF and DoD programs.				
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.				
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.				
FY 2027 Plans: Conducts Anti-Tamper technology development to meet Air Force service needs to mature promising AT technologies to transition to Air Force weapons systems.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase is due to the Department requesting additional resourcing to address gaps with developing, maturing, integrating, and supporting Anti-Tamper Solutions.				
Accomplishments/Planned Programs Subtotals		65.434	62.803	130.610
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0605024F I Anti-Tamper Technology Executive Agency	
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 Defense Industrial Base and relevant commercial entities. 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 Defense industry for integration and implementation in DoD weapon systems. Priorities will be given to those technologies that most benefit the DoD AT community. The Air Force ATEA Field Program 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 2027 Air Force												Date: April 2026			
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					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force AT Technology and Product Development	Various	Not specified. : Various	-	6.035	Oct 2024	4.996	Oct 2025	7.256	Oct 2026	-		7.256	Continuing	Continuing	-
Subtotal			-	6.035		4.996		7.256		-		7.256	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DoD Anti-Tamper Technology Executive Agent (DoD ATEA)	Various	Not specified. : Various	-	49.190	Oct 2024	47.512	Oct 2025	107.200	Oct 2026	-		107.200	Continuing	Continuing	-
Subtotal			-	49.190		47.512		107.200		-		107.200	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DoD ATEA Program Management Support	Various	Not specified. : Various	-	10.209	Oct 2024	10.295	Oct 2025	16.154	Oct 2026	-		16.154	Continuing	Continuing	-
Subtotal			-	10.209		10.295		16.154		-		16.154	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	65.434		62.803		130.610		-		130.610	Continuing	Continuing	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 2027 Air Force										Date: April 2026																			
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 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force		Date: April 2026
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	2025	4	2031
DoD ATEA Activities	1	2025	4	2031
Air Force AT Tech Development	1	2025	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605117F I Foreign Materiel Acquisition and Exploitation							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	123.775	0.000	4.676	0.000	4.676	4.235	4.441	4.515	4.607	Continuing	Continuing
675897: Foreign Materiel Acquisition and Exploitation	0.000	123.775	0.000	4.676	0.000	4.676	4.235	4.441	4.515	4.607	Continuing	Continuing
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 FY2026 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.

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

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	94.188	0.000	0.000	0.000	0.000
Current President's Budget	123.775	0.000	4.676	0.000	4.676
Total Adjustments	29.587	0.000	4.676	0.000	4.676
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	31.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-1.413	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	4.676	0.000	4.676

Change Summary Explanation

See classified document for additional details.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605117F I Foreign Materiel Acquisition and Exploitation							
Reduction due implementing the President's Department of Government Efficiency Cost Efficiency Initiative for contract services.												
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.												
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Title: Foreign Materiel Acquisition and Exploitation										123.775	0.000	4.676
Description: Classified details can be found in OSW Comptroller's classified Defense Wide Justification Book Volume 6.												
FY 2026 Plans: Classified												
FY 2027 Plans: Classified details can be found in OSW Comptroller's classified Defense Wide Justification Book Volume 6.												
FY 2026 to FY 2027 Increase/Decrease Statement: FY2026 Funding transferred to alternate PE. See classified budget document for additional details.												
Accomplishments/Planned Programs Subtotals										123.775	0.000	4.676
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• O&M: N/A	0.000	3.379	0.708	-	0.708	0.802	0.901	1.001	1.097	Continuing	Continuing	
Remarks Funding for this activity is moving to an alternate PE in FY26 and beyond.												
E. Acquisition Strategy 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 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605117F / Foreign Materiel Acquisition and Exploitation				Project (Number/Name) 675897 / Foreign Materiel Acquisition and Exploitation					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified details can be found in OSD Comptroller's classified Defense-Wide Justification Book Volume 6.	Various	Various : TBD	-	122.246	Dec 2024	-		4.095	Dec 2026	-		4.095	Continuing	Continuing	-
Subtotal			-	122.246		-		4.095		-		4.095	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SAF/CDM Salary and Travel	Allot	SAF/CDMA : Fairfax, VA	-	1.529	Oct 2024	-		0.581	Oct 2026	-		0.581	Continuing	Continuing	-
Subtotal			-	1.529		-		0.581		-		0.581	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	123.775		-		4.676		-		4.676	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605117F / <i>Foreign Materiel Acquisition and Exploitation</i>		Project (Number/Name) 675897 / <i>Foreign Materiel Acquisition and Exploitation</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Foreign Materiel Acquisition & Exploitation</i>																												
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																												
Additional exploitation opportunities reviewed quarterly; FY26 execution reprioritized																												
FY27 requirements and funding requests submitted by Services/Agencies																												
FY27 requirements and funding requests validated and prioritized																												
FY27 FMP Plan approved and published																												
FY27 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY27 execution reprioritized																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force														Date: April 2026																	
Appropriation/Budget Activity										R-1 Program Element (Number/Name)										Project (Number/Name)											
3600 / 7										PE 0605117F / Foreign Materiel Acquisition and Exploitation										675897 / Foreign Materiel Acquisition and Exploitation											
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031						
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Additional exploitation opportunities reviewed quarterly; FY27 execution reprioritized																															
FY28 requirements and funding requests submitted by Services/Agencies																															
FY28 requirements and funding requests validated and prioritized																															
FY28 FMP Plan approved and published																															
FY28 FMP Plan executed and updated as required																															
Additional acquisition opportunities reviewed quarterly; FY28 execution reprioritized																															
Additional exploitation opportunities reviewed quarterly; FY28 execution reprioritized																															
FY29 requirements and funding requests submitted by Services/Agencies																															
FY29 requirements and funding requests validated and prioritized																															
FY29 FMP Plan approved and published																															
FY29 FMP Plan executed and updated as required																															
Additional acquisition opportunities reviewed quarterly; FY29 execution reprioritized																															
Additional exploitation opportunities reviewed quarterly; FY29 execution reprioritized																															
FY30 requirements and funding requests submitted by Services/Agencies																															
FY30 requirements and funding requests validated and prioritized																															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026												
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)										
3600 / 7										PE 0605117F / Foreign Materiel Acquisition and Exploitation								675897 / Foreign Materiel Acquisition and Exploitation										
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FY30 FMP Plan approved and published																												
FY30 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY30 execution reprioritized																												
Additional exploitation opportunities reviewed quarterly; FY30 execution reprioritized																												
FY31 requirements and funding requests submitted by Services/Agencies																												
FY31 requirements and funding requests validated and prioritized																												
FY31 FMP Plan approved and published																												
FY31 FMP Plan executed and updated as required																												
Additional acquisition opportunities reviewed quarterly; FY31 execution reprioritized																												
Additional exploitation opportunities reviewed quarterly; FY31 execution reprioritized																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 Materiel Acquisition & Exploitation</i>				
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 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
FY27 FMP Plan executed and updated as required	1	2027	4	2027
Additional acquisition opportunities reviewed quarterly; FY27 execution reprioritized	1	2027	4	2027
Additional exploitation opportunities reviewed quarterly; FY27 execution reprioritized	1	2027	4	2027
FY28 requirements and funding requests submitted by Services/Agencies	3	2027	4	2027
FY28 requirements and funding requests validated and prioritized	4	2027	4	2027
FY28 FMP Plan approved and published	4	2027	4	2027
FY28 FMP Plan executed and updated as required	1	2028	4	2028
Additional acquisition opportunities reviewed quarterly; FY28 execution reprioritized	1	2028	4	2028
Additional exploitation opportunities reviewed quarterly; FY28 execution reprioritized	1	2028	4	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605117F / <i>Foreign Materiel Acquisition and Exploitation</i>	Project (Number/Name) 675897 / <i>Foreign Materiel Acquisition and Exploitation</i>

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
FY29 requirements and funding requests submitted by Services/Agencies	3	2028	4	2028
FY29 requirements and funding requests validated and prioritized	4	2028	4	2028
FY29 FMP Plan approved and published	4	2028	4	2028
FY29 FMP Plan executed and updated as required	1	2029	4	2029
Additional acquisition opportunities reviewed quarterly; FY29 execution reprioritized	1	2029	4	2029
Additional exploitation opportunities reviewed quarterly; FY29 execution reprioritized	1	2029	4	2029
FY30 requirements and funding requests submitted by Services/Agencies	3	2029	4	2029
FY30 requirements and funding requests validated and prioritized	4	2029	4	2029
FY30 FMP Plan approved and published	4	2029	4	2029
FY30 FMP Plan executed and updated as required	1	2030	4	2030
Additional acquisition opportunities reviewed quarterly; FY30 execution reprioritized	1	2030	4	2030
Additional exploitation opportunities reviewed quarterly; FY30 execution reprioritized	1	2030	4	2030
FY31 requirements and funding requests submitted by Services/Agencies	3	2030	4	2030
FY31 requirements and funding requests validated and prioritized	4	2030	4	2030
FY31 FMP Plan approved and published	4	2030	4	2030
FY31 FMP Plan executed and updated as required	1	2031	4	2031
Additional acquisition opportunities reviewed quarterly; FY31 execution reprioritized	1	2031	4	2031
Additional exploitation opportunities reviewed quarterly; FY31 execution reprioritized	1	2031	4	2031

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 2027 Air Force	Date: April 2026

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	PE 0605229F / HH-60W											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	31.646	40.474	87.881	0.000	87.881	123.794	82.274	72.897	60.130	0.000	499.096
670001: <i>HH-60W Modernization Development</i>	0.000	31.646	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.646
674364: <i>HH-60W Modernization Development</i>	0.000	0.000	40.474	63.571	0.000	63.571	81.160	56.652	58.322	60.130	0.000	360.309
674365: <i>AFDW Development</i>	0.000	0.000	0.000	24.310	0.000	24.310	42.634	25.622	14.575	0.000	0.000	107.141

Note

This program, BA 7, PE 0605229F, project , Communication Block Modification, is a new start.
This program, BA 7, PE 0605229F, project , Gun Mount System Performance Improvement, is a new start.
This program, BA 7, PE 0605229F, project , Air Force District of Washington (AFDW) Development, is a new start.

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. Project 670001, HH-60W Modernization Development was completed for HH-60W.

A. Mission Description and Budget Item Justification

The HH-60W Jolly Green is the US Air Force's Combat Rescue Helicopter (CRH). HH-60W, now in Full Rate Production (FRP) provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. HH-60W modernization funding is crucial to ensure the HH-60W 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 the Software Upgrade Program (SUP) Delivery Order 1 (DO1) Agile software Program, Advanced Infrared Countermeasures (AIRC), Mobile User Objective System (MUOS) with Joint Range Extension Applications Protocol (JREAP), Degraded Visual Environment System (DVES), Global Positioning System Anti-Jam (GPS-AJ), Link-16, Personnel Locator System (PLS), Joint Tactical Terminal (JTT), Radio Frequency (RF) Threat Jamming, HF Radio System, Snow Skis, Tactical Flight Symbolology, Next Gen Crypto Mod, Electronic Flight Bags, Automated Dependent Surveillance Broadcast - In Device, and Air Force District of Washington (AFDW) mission requirement modifications.

Follow-On Capability Upgrade Systems (FOCUS) includes three (3) capabilities; GPS-AJ, MUOS, and JREAP. MUOS provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice and video communications and is the Department of War (DoW) directed replacement to Ultra

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0605229F / HH-60W
High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, The HH-60W 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 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. SUP provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle primarily through the Delivery Order 1 (DO1) contract. SUP enables yearly development, test and fielding of Deficiency Report Fixes (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. DO1 previously included Link 16 development and testing efforts that were transferred to Link 16 (major thrust) for the 2027 PB. SUP also includes Radar Warning Receiver (RWR) study and software update and is supported by Training Systems, Government Test, Civilian Payroll, Software Depot Capability Upgrades, Mission Planning, Other Agile updates and Small Business Innovation Research (SBIR) Tax. This Program shall be reoccurring to accomplish 5 years of agile support and software to the fleet via contract. Air Combatant Command (ACC) designated this critical to accomplish any other mandates or specific requirements. After contractor software development is complete, SUP will transition to an organic software engineering squadron for execution of annual software development. Gun Mount System Performance Improvement will help complete development of design enhancements, testing, and integration of gun mount components needed to address deficiencies identified during FOT&E. New software will not be required. Communications Block Modification includes Joint Tactical Terminal-Next Generation (JTT-NG) and Hybrid SATCOM upgrades. A recent CRH decision will move the Link-16 program under Communications Block Modification on the next R-Document cycle. The JTT-NG project will replace the ENTR V4 Radio system with the JTT-NG. New software will be developed and integrated to make the system work with the platform. Hybrid SATCOM integrates high bandwidth Beyond Line of Site (BLOS) data transfer capability in parallel with existing line of site SATCOM capabilities, including installing the Hybrid SATCOM system (transceiver and amplifier units with their trays), and all necessary connectors and cables. New software will be developed and integrated to make the system work with the platform. Other Programs include DVES which significantly reduces operational risk in all HH-60W regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVES material and technical solution to the DoW'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 test and development, which was previously done under DO1, will now be a major thrust (Link 16) and progress to hardware updates. Advanced Infrared Countermeasures (AIRCМ) is another program planned. 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		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0605229F I HH-60W				
(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 engineering efforts for redesign.						
The HH-60W 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.						
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		39.629	43.579	0.000	0.000	0.000
Current President's Budget		31.646	40.474	87.881	0.000	87.881
Total Adjustments		-7.983	-3.105	87.881	0.000	87.881
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-2.682			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		-6.730	0.000			
• SBIR/STTR Transfer		-1.253	-0.423			
• Other Adjustments		0.000	0.000	87.881	0.000	87.881
Change Summary Explanation						
FY 2025 budget request decreased by a total of \$7.983 million due to a Below Threshold Reprograming of \$6.730 million to support other Air Force priorities and reduced by \$1.253 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).						
FY 2026 budget request decreased by total of \$3.105 million due to a Congressional Directed Reduction of \$2.682 million for Capability Upgrades Carryover and a decrease for \$0.423 million SBIR/STTR.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 670001 / HH-60W Modernization Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
670001: HH-60W Modernization Development	0.000	31.646	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.646
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). HH-60W, now in Full Rate Production (FRP) provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. HH-60W modernization funding is crucial to ensure the HH-60W 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 the Software Upgrade Program (SUP), Advanced Infrared Countermeasures (AIRC), Mobile User Objective System (MUOS) with Joint Range Extension Applications Protocol (JREAP), Degraded Visual Environment System (DVES), Global Positioning System Anti-Jam (GPS-AJ), Link-16, Personnel Locator System (PLS), Joint Tactical Terminal (JTT), Radio Frequency (RF) Threat Jamming, HF Radio System, Snow Skis, Tactical Flight Symbolology, Next Gen Crypto Mod, Electronic Flight Bags, Automated Dependent Surveillance Broadcast - In Device, and Air Force District of Washington (AFDW) mission requirement modifications. HH-60W budget request supports three lines of effort to include but not limited to hardware and software programs.

Follow-On Capability Upgrade Systems (FOCUS) includes three (3) capabilities; GPS-AJ, MUOS, and JREAP. MUOS provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice and video communications and is the DoW directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, the HH-60W 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 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.

SUP, DO 1, Agile Software Program provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. DO 1 enables 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. DO1 included Link 16 development and testing efforts

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development		
that were transferred to a Link 16 (major thrust) for the 2027 PB. SUP also includes and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning, Other Agile updates and Small Business Innovation Research (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.				
Other Programs include DVES which significantly reduces operational risk in all HH-60W regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVES material and technical solution to the DoW'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 AIRCM are Other Programs planned.				
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. 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.				
The HH-60W 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.				
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Follow-On Capability Upgrade Systems (FOCUS)		5.106	0.000	0.000
Description: FOCUS includes three (3) capabilities: GPS-AJ, MUOS and JREAP. MUOS provides narrow band military BLOS communication capability with improved availability for voice and video communications and is the DoD directed replacement to UHF SATCOM. MUOS adds JREAP capability for Link-16 over the horizon/BLOS, CIB, and future data formats. JREAP is a joint protocol per MIL-STD 3011E. GPS-AJ will enable CSAR operations in contested environments and areas with high jamming risk, especially where no other means of navigation exists.				
FY 2026 Plans: N/A				
FY 2027 Plans:				

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W		Project (Number/Name) 670001 / HH-60W Modernization Development		
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
NA						
FY 2026 to FY 2027 Increase/Decrease Statement: NA						
Title: Software Upgrade Program (SUP) Description: SUP provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. DO 1 enables yearly development, test and fielding of fixes to DRs to the operational fleet. SUP 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. Other program costs including SBIR Tax, civ pay, government test, mission planning and training systems costs are included in SUP. FY 2026 Plans: N/A FY 2027 Plans: NA FY 2026 to FY 2027 Increase/Decrease Statement: NA				24.215	0.000	0.000
Title: HH-60W Degraded Visual Environment System (DVES) Description: This project will research, test and integrate state of the art DVES aligned hardware onto the HH-60W. DVES upgrades and integration will reduce operational limitations, increase flight safety and lower equipment costs. DVES 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 HH-60W. 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. FY 2026 Plans: N/A FY 2027 Plans: NA FY 2026 to FY 2027 Increase/Decrease Statement:				2.325	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 670001 / HH-60W Modernization Development	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
NA			
Accomplishments/Planned Programs Subtotals		31.646	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The HH-60W Capability Upgrades program will deliver iterative incremental capability upgrades to the HH-60W technical baseline based on ACC approved requirements and funding, and collective ACC/Program office 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, System Integration Lab, 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. Capability Upgrades Indefinite Delivery, Indefinite Quantity (IDIQ) contract with EMD efforts initiated in FY 2023, expected to extend through SUP (Software Upgrade Program) and FOCUS (Follow-On Capability Support). Low-rate initial production and retrofit activities are baselined to occur post HH-60W EMD completion followed execution of separate competitive efforts. 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Multi-User Objective System (MUOS) Capability	MIPR	Army, DEVCOM A&MC PIF : Redstone Arsenal, AL	-	2.650	Nov 2025	-		-		-		-	0.000	2.650	-
HH-60W Global Positioning System Anti-Jam (GPS-AJ)	MIPR	Army, DEVCOM A&MC PIF : Redstone Arsenal, AL	-	2.456	Nov 2025	-		-		-		-	0.000	2.456	-
HH-60W Degraded Visual Environment (DVE)	MIPR	Army, DEVCOM A&MC FCDD : Redstone Arsenal, AL	-	2.325	Dec 2025	-		-		-		-	0.000	2.325	-
HH-60W Delivery Order (DO) 1 Agile Software Program	C/FPIF	Stratford : CT	-	16.996	Feb 2025	-		-		-		-	0.000	16.996	-
Subtotal			-	24.427		-		-		-		-	0.000	24.427	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W product support related to aircraft development, integration, test articles, trainers, mission planning, product analysis and contractor test, including SBIR Tax.	Various	Various : TBD	-	0.610	Sep 2025	-		-		-		-	0.000	0.610	-
Product Support for Zealous Rooster Project	MIPR	AFRL : TBD	-	0.767	Nov 2025	-		-		-		-	0.000	0.767	-
Direct Cite Civ Pay	RO	AFLCMC : WPAFB, OH	-	5.152	Oct 2024	-		-		-		-	0.000	5.152	-
Subtotal			-	6.529		-		-		-		-	0.000	6.529	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 670001 / HH-60W Modernization Development					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
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	-	0.690	Mar 2025	-		-		-		-	0.000	0.690	-
Subtotal			-	0.690		-		-		-		-	0.000	0.690	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	31.646		-		-		-		-	0.000	31.646	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 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605229F / HH-60W					Project (Number/Name) 670001 / HH-60W Modernization Development	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
HH-60W Capability Upgrades Development																												
HH-60W MUOS Capability																												
HH-60W Global Positioning System Anti-Jam (GPS-AJ)																												
HH-60W Degraded Visual Environment (DVE)																												
HH-60W 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 2027 Air Force		Date: April 2026
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
HH-60W Capability Upgrades Development				
HH-60W MUOS Capability	1	2026	4	2026
HH-60W Global Positioning System Anti-Jam (GPS-AJ)	1	2026	4	2026
HH-60W Degraded Visual Environment (DVE)	3	2025	4	2026
HH-60W 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 2027 Air Force										Date: April 2026		
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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674364: HH-60W Modernization Development	0.000	0.000	40.474	63.571	0.000	63.571	81.160	56.652	58.322	60.130	0.000	360.309
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0605229F, project , Communication Block Modification, is a new start.
This program, BA 7, PE 0605229F, project , Gun Mount System Performance Improvement, is a new start.

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). HH-60W, now in Full Rate Production (FRP) provides the modernization and upgrade to the legacy HH-60G Pave Hawk helicopter. HH-60W modernization funding is crucial to ensure the HH-60W 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 the Software Upgrade Program, Advanced Infrared Countermeasures (AIRCМ), Mobile User Objective System (MUOS) with Joint Range Extension Applications Protocol (JREAP), Degraded Visual Environment System (DVES), Global Positioning System Anti-Jam (GPS-AJ), Link-16, Personnel Locator System (PLS), Joint Tactical Terminal (JTT), Hybrid Satcom, Radar Warning Receiver (RWR), Radio Frequency (RF) Threat Jamming, Friendly Force Tracker, HF Radio System, Snow Skis, Tactical Flight Symbolology, Gun Mount System Performance Improvement, Next Gen Crypto Mod, Electronic Flight Bags, Electro Optical Infrared Sensors (EOIR), Automated Dependent Surveillance Broadcast - In Device, and Air Force District of Washington (AFDW) mission requirement modifications. HH-60W budget request supports three lines of effort to include but not limited to hardware and software programs.

Follow-On Capability Upgrade Systems (FOCUS) includes three (3) capabilities; GPS-AJ, MUOS, and JREAP. MUOS provides narrow band military Beyond Line-of-Sight (BLOS) communication capability with improved availability for voice and video communications and is the DoW directed replacement to Ultra High Frequency (UHF) Satellite Communication (SATCOM). With MUOS, The HH-60W 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 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-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development
SUP provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. DO 1 enables yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. SUP 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. DO1 previously included Link 16 development and testing efforts that were transferred to Link 16 (major thrust) for the 2027 PB. SUP also includes Radar Warning Receiver (RWR) study and software update and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning, Other Agile updates and Small Business Innovation Research (SBIR) Tax. This Program shall be reoccurring to accomplish 5 years of agile support and software to the fleet via contract. Air Combatant Command (ACC) designated this critical to accomplish any other mandates or specific requirements. Gun Mount System Performance Improvement will help complete development of design enhancements, testing, and integration of gun mount components needed to address deficiencies identified during FOT&E. New software will not be required. Communications Block Modification includes Joint Tactical Terminal-Next Generation (JTT-NG) and Hybrid SATCOM upgrades. A recent CRH decision to add Link 16 to Communications Block Modification will be updated in the next R-Documentation submission. The JTT-NG project will replace the ENTR V4 Radio system with the JTT-NG. New software will be developed and integrated to make the system work with the platform. Hybrid SATCOM integrates high bandwidth Beyond Line of Site (BLOS) data transfer capability in parallel with existing line of site SATCOM capabilities, including installing the Hybrid SATCOM system (transceiver and amplifier units with their trays), and all necessary connectors and cables. New software will be developed and integrated to make the system work with the platform. Other Programs include DVES which significantly reduces operational risk in all HH-60W regimes of flight, especially in-route navigation and terminal area operations in unprepared operational locations where the combat rescue mission is performed. A DVES material and technical solution to the DoW'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 test and development, which was previously done under DO1, will now be a major thrust (Link 16) and progress to hardware updates. AIRCM is another program planned. This funding also supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Program Support Costs (PSC) activities, Other Government Costs (OGC), EOIR completion costs, various studies and analysis, upgrades, future HH-60W planning activities, and resolution of Diminishing Manufacturing Sources / 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 engineering efforts for redesign. The HH-60W program budget request also supports innovation activities to include testing, data migrator support teams, 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, data migration support, effects testing, development of baseline integrated master plans and mission planning system analysis. 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-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development		
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Title: Follow-On Capability Upgrade Systems (FOCUS)			0.000	13.830	6.200
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 DoW directed replacement to UHF SATCOM. MUOS adds JREAP capability for Link-16 over the horizon/BLOS, CIB, and future data formats. JREAP is a joint protocol per 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.					
Planned programs HH-60W MUOS and HH-60W GPS-AJ were consolidated under major thrust, FOCUS.					
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. Purchase of A-kits and B-kits for MUOS and GPS-AJ.					
FY 2027 Plans: Continuation of development and integration activities for MUOS-capable radios and software in the COM-3/COM-4 positions and additional development for GPS-AJ. Continue development on JREAP to support MUOS capability.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to negotiated savings and efficiencies of mature contract vehicle to support development and integration activities for FOCUS.					
Title: Degraded Visual Environment System (DVES)			0.000	0.394	2.000
Description: This project will research, test and integrate state of the art DVES aligned hardware onto the HH-60W. DVES upgrades and integration will reduce operational limitations, increase flight safety and lower equipment costs. DVES 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 HH-60W. 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.					
FY 2026 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W		Project (Number/Name) 674364 / HH-60W Modernization Development	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Plan includes continuation of engineering support for DVES Navy Price Fighters (NPF).					
FY 2027 Plans: Plan includes continuation of engineering support for requirement maturation and strategy and document development to support initiation of research, development, integration, engineering, and hardware/software integration for a DVES solution. 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.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to progression from engineering support only to research, development, integration and engineering efforts for sensors including LIDAR.					
Title: Link-16 Advanced Capability Modernization Description: Link-16 Advanced Capability Modernization. Development and testing for replacing the TTR with a Link-16 radio capable of meeting the Advanced Capabilities Mandate.			0.000	0.000	5.480
FY 2026 Plans: N/A, Costs were part of DO1 and ECP-50 in previous years. Transfer of costs to Link 16.					
FY 2027 Plans: Initial work for Link-16 Advanced Capability Modernization was previously done under DO1. Link 16 will now be a major thrust (Link 16) and progress to hardware updates. Development and testing for replacing the TacNet Tactical Radio (TTR) with a Link-16 radio capable of meeting the Advanced Capabilities Mandate.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to continued development and testing activities for Link-16 efforts. Previous efforts were under DO1 and ECP-50.					
Title: Communication Block Modification Description: Communications Block Modification includes Joint Tactical Terminal-Next Generation (JTT-NG) and Hybrid SATCOM upgrades. The JTT-NG project will replace the ENTR V4 Radio system with the JTT-NG. New software will be developed and integrated to make the system work with the platform. Hybrid SATCOM integrates high bandwidth Beyond Line of Site (BLOS) data transfer capability in parallel with existing line of site SATCOM capabilities, including installing the Hybrid SATCOM system (transceiver and amplifier units with their trays), and all necessary connectors and cables. New software will be developed and integrated to make the system work with the platform.			0.000	0.000	5.000
FY 2026 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674364 / HH-60W Modernization Development		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A FY 2027 Plans: Initial work for JTT_NG and Hybrid SATCOM. Development and testing for replacing the ENTR V4 Radio system and installing the Hybrid SATCOM support equipment. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased because development and testing for the Communications Block Mod will start in FY27.				
Title: Gun Mount System Performance Improvement Description: Gun Mount System Performance Improvement. Non-reoccurring engineering to complete development of design enhancements, testing, and integration of gun mount components needed to address deficiencies identified during FOT&E. New software will not be required FY 2026 Plans: N/A FY 2027 Plans: Development of design enhancements, testing, and integration of gun mount components needed to address deficiencies identified during FOT&E. New software will not be required. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased because initial development effort for Gun Mount System will start in FY 2027.		-	0.000	9.750
Title: Software Upgrade Program (SUP) Description: SUP provides software enhancements, deficiency corrections, and crypto-modernization mandates to the HH-60W fleet on an annual release cycle. DO1 enables yearly development, test and fielding of Deficiency Reports (DRs) to the operational fleet. SUP 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 Radar Warning Receiver (RWR) study and software update and is supported by Training Systems, Government Test, Civilian Payroll, Mission Planning, Other Agile updates and SBIR Tax. FY 2026 Plans: Perform development and integration activities for DO1 software, government test, and Training System's projects. FY 2027 Plans:		0.000	26.250	35.141

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674364 / HH-60W Modernization Development				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Perform development and integration activities for DO1 agile software development and government test and Training System's projects. Also includes product support, SBIR Tax, mission planning, civ pay and government test.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional software upgrade activities.												
Accomplishments/Planned Programs Subtotals										0.000	40.474	63.571
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 04 H060WH: Combat Rescue Helicopter	355.185	207.500	69.395	-	69.395	-	-	-	-	0.000	632.080	
• APAF 06 H060WH BA06: CRH BA06	1.859	2.329	9.977	-	9.977	83.583	76.721	87.155	100.523	0.000	362.147	
• APAF 05 H060WM: HH60W Modifications	18.911	9.150	46.662	-	46.662	124.484	172.702	154.103	159.937	0.000	685.949	
Remarks												
D. Acquisition Strategy												
The HH-60W Capability Upgrades program will deliver iterative incremental capability upgrades to the HH-60W technical baseline based on ACC approved requirements and funding, and collective ACC/Program office 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, System Integration Lab, 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 software release from the SUP program is scheduled for FY26 via Delivery Order 1 (DO1) via the Capability Upgrades Indefinite Delivery, Indefinite Quantity (IDIQ) contract. The FOCUS program-initiated development in FY25 via a U.S. Army contract vehicle. Other post-production modifications are EMD efforts expected to extend through FY 2031 and will occur via execution of separate competitive contracting efforts expected to begin in FY 2027. 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Follow On Capability Upgrade System (FOCUS)	MIPR	Army DEVCOM A&MC PIF : Arsenal, AL	-	-		13.830	Apr 2026	6.200	Mar 2027	-		6.200	Continuing	Continuing	-
Delivery Order (DO) 1 Agile Software Program	C/FPIF	Sikorsky : Stratford, CT	-	-		10.851	Mar 2026	20.436	Mar 2027	-		20.436	Continuing	Continuing	-
CRH Degraded Visual Environment System (DVES)	MIPR	Navy and Various : Norfolk, VA	-	-		0.394	May 2026	2.000	Jun 2027	-		2.000	Continuing	Continuing	-
Link-16 Advanced Capability Modernization	TBD	TBD : Stratford, CT	-	-		0.000	Mar 2026	5.480	Jun 2027	-		5.480	Continuing	Continuing	-
Radar Warning Receiver	TBD	TBD : Stratford, CT	-	-		0.000	Mar 2026	2.000	May 2027	-		2.000	Continuing	Continuing	-
Communications Block Mod	TBD	TBD : TBD	-	-		0.000	Mar 2026	5.000	May 2027	-		5.000	Continuing	Continuing	-
Gun Mount Performance Development	TBD	TBD : TBD	-	-		0.000	Mar 2026	9.750	May 2027	-		9.750	Continuing	Continuing	-
Subtotal			-	-		25.075		50.866		-		50.866	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W Product Support related to aircraft development, integration, test articles, trainers, mission planning and contractor test, including SIBR	Various	Various : TBD	-	-		4.433	Jan 2026	2.758	Jan 2027	-		2.758	Continuing	Continuing	-
Direct Cite Civ Pay	RO	AFLCMC : WPAFB, OH	-	-		6.000	Dec 2025	6.000	Dec 2026	-		6.000	Continuing	Continuing	-
Subtotal			-	-		10.433		8.758		-		8.758	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674364 / HH-60W Modernization Development					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HH-60W planning and testing to support development and operational test, live fire test and other weapon system testing and support	PO	413th, 579th, 704th TS : Nellis, AFB, NV	-	-		4.966	Dec 2025	3.947	Dec 2026	-		3.947	Continuing	Continuing	-
Subtotal			-	-		4.966		3.947		-		3.947	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		40.474		63.571		-		63.571	Continuing	Continuing	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 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605229F / HH-60W		Project (Number/Name) 674364 / HH-60W Modernization Development	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Capability Upgrades Development																												
Follow On Capability Support (FOCUS)																												
Degraded Visual Environment System (DVES)																												
Software Upgrade Program (SUP)																												
Link-16 Advanced Capability Modernization																												
Radar Warning Receiver (RWR)																												
Guns Development and Testing																												
Communications Block Modification																												
Test and Evaluation																												
Air Force Test and Evaluation for Capability Upgrades																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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				
Follow On Capability Support (FOCUS)	3	2026	4	2029
Degraded Visual Environment System (DVES)	3	2026	4	2030
Software Upgrade Program (SUP)	2	2026	4	2029
Link-16 Advanced Capability Modernization	3	2027	3	2029
Radar Warning Receiver (RWR)	3	2027	4	2028
Guns Development and Testing	3	2027	4	2028
Communications Block Modification	3	2027	4	2030
Test and Evaluation				
Air Force Test and Evaluation for Capability Upgrades	2	2026	2	2031

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-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674365 / AFDW Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674365: AFDW Development	0.000	0.000	0.000	24.310	0.000	24.310	42.634	25.622	14.575	0.000	0.000	107.141
Quantity of RDT&E Articles	-	-	-	2	-	2	-	-	-	-		

Note

This program, BA 7, PE 0605229F, project , Air Force District of Washington (AFDW) Development, is a new start.

This program, BA 7, PE 0605229F, Air Force District of Washington (AFDW) Development, is a new start.

A. Mission Description and Budget Item Justification

Air Force District of Washington (AFDW) Development effort involves modifying 2 of the 26 HH-60W aircraft to meet the AFDW mission requirements. Modifications include possible removal of components including, but not limited to Rescue Team Seat, Isolated Personnel Litter, Gun System, Chaff/Flare Buckets, and Doors/Floor Armor. In

addition, this effort may include, but not limited to, the following modifications to the baseline HH-60W ARC 210 Gen 6 radios, Infrared Countermeasure (IRCM) system, and alternate seating arrangement.

Funding Supports Training Systems, Support Equipment, Initial Spares, Operation Site Activation, Program Support Costs (PSC) activities, Other Government Costs (OGC), repair and technical support services, 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.

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

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

	FY 2025	FY 2026	FY 2027
Title: Air Force District of Washington (AFDW) Development	0.000	0.000	24.310
Description: AFDW development efforts involve modifying 2 of the 26 HH-60W aircraft to meet the AFDW mission requirements. Modifications include possible removal of components including, but not limited to Rescue Team Seat, Isolated Personnel Litter, Gun System, Chaff/Flare Buckets, and Doors/Floor Armor. In addition, this effort may include, but not limited to, the following modifications to the baseline HH-60W ARC 210 Gen 6 radios, Infrared Countermeasure (IRCM) system, and alternate seating arrangement.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674365 / AFDW Development				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
N/A												
FY 2027 Plans: Conduct various studies, analysis, engineering efforts for redesign and upgrades. This includes resolution of DMSMS and/or obsolescence issues and Diminishing Manufacturing Sources (DMS) activities.												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to initial development and integration efforts for AFDW HH-60Ws.												
Accomplishments/Planned Programs Subtotals										0.000	0.000	24.310
C. Other Program Funding Summary (\$ in Millions)												
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>	
• APAF 04 H060WH: <i>Combat Rescue Helicopter</i>	355.185	207.500	69.395	-	69.395	-	-	-	-	0.000	632.080	
• APAF 05 H060WM: <i>HH60W Modifications</i>	18.911	9.150	46.662	-	46.662	124.484	172.702	154.103	159.937	0.000	685.949	
• APAF 06 H060WH: <i>Combat</i> <i>Rescue Helicopter (CRH) / HH-60W</i>	1.859	2.329	9.977	-	9.977	83.583	76.721	87.155	100.523	0.000	362.147	
Remarks												
D. Acquisition Strategy												
The AFDW development strategy follows the HH-60W strategy by modifying 2 of the 26 HH-60W aircraft to meet AFDW mission requirements while also providing training systems, initial spares, support equipment and services necessary to support the conversion of those aircraft to a new installation as primary aircraft inventory.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605229F / HH-60W				Project (Number/Name) 674365 / AFDW Development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFDW	C/CPIF	Contractor:Washington, DC : TBD	-	-		-		24.310	Dec 2026	-		24.310	Continuing	Continuing	-
Subtotal			-	-		-		24.310		-		24.310	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		24.310		-		24.310	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7					PE 0605229F / HH-60W					674365 / AFDW Development				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Air Force District of Washington (AFDW)																												
AFDW Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605229F / HH-60W	Project (Number/Name) 674365 / AFDW Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Air Force District of Washington (AFDW)				
AFDW Development	1	2027	4	2031

Note
AFDW effort involves modifying 2 of 26 HH-60W aircraft to meet the AFDW mission requirements. Two HH-60W kits will be funded under BPAC 674365

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0605278F I HC/MC-130 Recap RDT&E							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	43.597	77.079	34.932	0.000	34.932	26.730	26.401	25.369	25.882	27.390	287.380
675278: HC-130J Modernization	0.000	0.748	0.891	0.768	0.000	0.768	0.795	0.810	0.826	0.842	24.777	30.457
675910: AC/MC Modernization	0.000	42.849	76.188	34.164	0.000	34.164	25.935	25.591	24.543	25.040	2.613	256.923
Program MDAP/MAIS Code: 257												
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, Communications Modernization and related efforts to meet the Cryptographic Modernization Mandates, Resilient Positioning, Navigation, and Timing (R-PNT), and STAR XIII Mission Computer Operational Flight Program (OFP) development.												
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.												
The program may also include any Contractor Manpower Equivalent (CME)/Advisory and Assistance Services (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.												

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0605278F / <i>HC/MC-130 Recap RDT&E</i>

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

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	16.085	50.845	0.000	0.000	0.000
Current President's Budget	43.597	77.079	34.932	0.000	34.932
Total Adjustments	27.512	26.234	34.932	0.000	34.932
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-2.098			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	29.000	29.000			
• SBIR/STTR Transfer	-1.488	-0.668			
• Other Adjustments	0.000	0.000	34.932	0.000	34.932

Change Summary Explanation

FY 2025 budget request increased by a total of \$27.512 million due to a \$29.0 million increase for Air Force requested Internal Reprogramming and a \$1.488 million decrease for the Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

FY 2026 budget request increased by \$26.234 million due to an increase for \$29.0 million Air Force requested Internal Reprogramming, a decrease of \$2.098 million for a Congressional Directed Reduction for Resilient PNT Carryover and a decrease of \$0.668 million for Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).

The FY 2026 President's Budget submittal did not reflect FY 2027 through FY 2030 funding. Therefore, an explanation of the change between the two budget positions for FY 2027 cannot be made in a relevant manner.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675278 / HC-130J Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675278: HC-130J Modernization	0.000	0.748	0.891	0.768	0.000	0.768	0.795	0.810	0.826	0.842	24.777	30.457
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 [OFP] 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Continuous Improvement Program (CIP)	0.001	0.001	0.001	-	0.001

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675278 / HC-130J Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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. FY 2026 Plans: Software and hardware enhancements, studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations activities for the HC-130J. FY 2027 Base Plans: Continuation of software and hardware enhancements activities for the HC-130J. FY 2026 to FY 2027 Increase/Decrease Statement: N/A						
Title: HC-130J Modernization Description: The HC-130J Modernization Development program supports engineering, development, and test activities in support of connectivity, survivability, and sustainment objectives. FY 2026 Plans: Engineering support, development, and test activities. FY 2027 Base Plans: Continuation of engineering support, development, and test activities in support of HC-J modernization. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced development activities.		0.747	0.890	0.767	-	0.767
Accomplishments/Planned Programs Subtotals		0.748	0.891	0.768	-	0.768

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

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675278 / HC-130J Modernization

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOO</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 HCMC00: HC/ MC-130 Modifications	207.461	365.086	150.900	-	150.900	129.640	128.637	131.090	134.251	0.000	1,247.065
• APAF 07 HCMC00: HC/MC-130 PPS	18.604	17.986	11.880	-	11.880	11.171	11.379	11.596	11.828	0.000	94.444

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 contracts are Cost Plus Award Fee (CPAF) and Cost Plus Incentive Fee (CPIF).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675278 / HC-130J Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HC-130J Modernization: Program Development	Various	Various : Various	0.000	0.747	Nov 2024	0.890	Nov 2025	0.767	Nov 2026	-		0.767	0.000	2.404	-
Continuous Improvement Program CIP	Various	Various : Various	0.000	0.001	Nov 2024	0.001	Nov 2025	0.001	Nov 2026	-		0.001	0.000	0.003	-
Subtotal			0.000	0.748		0.891		0.768		-		0.768	0.000	2.407	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.748		0.891		0.768		-		0.768	0.000	2.407	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0605278F / HC/MC-130 Recap RDT&E			675278 / HC-130J Modernization				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
HC-130J Modernization																												
HC-130J Modernization Program Development																												
CIP																												
Government Testing support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031
CIP	1	2025	4	2031
Government Testing support	2	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675910 / AC/MC Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675910: AC/MC Modernization	0.000	42.849	76.188	34.164	0.000	34.164	25.935	25.591	24.543	25.040	2.613	256.923
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

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. The R-PNT acquisition strategy involves a three phased approach. Phase 1 integrates the Resilient-Embedded GPS/INS (R-EGI) system. Phases 2 and 3 will upgrade the antenna suite and add open mission systems architecture.

MC-130J STAR XIII CR-2 OFP 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.

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

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675910 / AC/MC Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: Communications Modernization Phase I 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, limited Second-generation Anti-jam Tactical UHF Radio for NATO (SATURN), and cryptographic updates to Airborne Mission Networking (AbMN). FY 2026 Plans: Continuation of Phase I EMD activities. Anticipated completion of Comm Mod Phase 1 development in FY 2026. FY 2027 Base Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to anticipated completion of Phase 1 EMD.		3.333	3.648	0.000	-	0.000
Title: Communications Modernization Phase II Description: Full 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. FY 2026 Plans: Phase II EMD activities. FY 2027 Base Plans: Continuation of Phase II EMD activities. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced EMD Phase II activities.		8.736	34.920	21.305	-	21.305
Title: Polar Airlift LC-130J Description: Develop a post-production kit to modify new KC-130Js into LC-130Js to be able to conduct the Polar Airlift mission which currently uses the LC-130H. FY 2026 Plans:		28.047	26.234	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675910 / AC/MC Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Issue Request for Proposal to industry once the AF requirements document is signed. FY 2027 Base Plans: Continue NRE work with FY26 funding. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Congress is funding this program, not the USAF. FY2027 activity will depend on Congress						
Title: Government Test Support - Phase I 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, 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 2026 Plans: Continuation of EMD activities for Communications Modernization Phase 1 Government Test Support for final operational test events. FY 2027 Base Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to draw down of Phase 1 activities due to anticipated Phase I EMD completion.		1.602	0.001	0.000	-	0.000
Title: Government Test Support - Phase II 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 2026 Plans:		0.373	3.451	0.781	-	0.781

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675910 / AC/MC Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
EMD activities to include but not limited to test and evaluation planning, conduct and support for NSERC for Communications Modernization Phase II. FY 2027 Base Plans: Continuation of EMD activities to include but not limited to test and evaluation planning, conduct and support for NSERC for Communications Modernization Phase II. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to reduced EMD activities.						
Title: Continuous Improvement (CIP) 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 Diminishing Manufacturing Sources Materiel Solutions (DMSMS) and other development activities as needed to keep the AC/HC/MC programs effective against emerging threats. FY 2026 Plans: Studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations. FY 2027 Base Plans: Continuation of studies, analyses, and requirements definition. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced studies to support other higher developmental priorities.		0.757	1.350	0.001	-	0.001
Title: Resilient Positioning, Navigation, and Timing (R-PNT) Description: Development, integration, and fielding of a Resilient Positioning, Navigation, and Timing capability. FY 2026 Plans: Contracting activites, studies and begin development for R-PNT capability. FY 2027 Base Plans:		0.001	5.488	7.235	-	7.235

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E		Project (Number/Name) 675910 / AC/MC Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC
Award Phase 1 engineering manufacturing development (EMD) contract.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to EMD contract award.					
Title: MC-130J STAR XIII CR-2 OFP		0.000	1.096	4.842	-
Description: Development, verification, and certification of STAR XIII mission computer software for MC-130J CR-2.					
FY 2026 Plans: Begin planning activities, Request for Proposal release, and contract award.					
FY 2027 Base Plans: Continuation of development efforts, planning activities, and contract activities.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of contracting activities.					
Accomplishments/Planned Programs Subtotals		42.849	76.188	34.164	0.000
C. Other Program Funding Summary (\$ in Millions)					
N/A					
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 (CPFF) contract.					
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 MC-130J STAR XIII CR-2 OFP 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 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 675910 / AC/MC Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Polar Lift LC-130	C/CPAF	Not specified. : TBD	0.000	28.047	Aug 2026	26.234	May 2027	-		-		-	0.000	54.281	-
Communications Modernization Phase I	SS/CPAF	Lockheed Martin : Marietta, GA	0.000	1.065	Aug 2025	2.478	Jun 2026	-		-		-	0.000	3.543	-
Communications Modernization Phase II	SS/CPFF	Lockheed Martin : Marietta, GA	0.000	8.176	Apr 2025	33.524	Oct 2025	20.127	Oct 2026	-		20.127	0.000	61.827	-
Star XIII Mission Computers	C/CPFF	Lockheed Martin : TBD	0.000	-		1.096	Aug 2026	4.842	Mar 2027	-		4.842	8.000	13.938	-
Resilient Positioning, Navigation, and Timing (R-PNT)	C/CPAF	Lockheed Martin : TBD	0.000	-		5.488	Jun 2026	7.235	May 2027	-		7.235	0.000	12.723	-
Subtotal			0.000	37.288		68.820		32.204		-		32.204	8.000	146.312	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civ Pay	TBD	Not specified. : TBD	0.000	1.772	Oct 2024	1.170	Oct 2025	-		-		-	0.000	2.942	-
Government Support Test	RO	46th Test Wing; TBD : TBD	0.000	1.067	Oct 2024	0.001	Oct 2025	-		-		-	0.000	1.068	-
Direct Cite Civ Pay Phase II	TBD	Not specified. : TBD	0.000	2.348	Oct 2024	2.196	Oct 2025	1.178	Oct 2026	-		1.178	0.000	5.722	-
Government Support Test Phase II	RO	46th Test Wing; TBD : TBD	0.000	0.373	Jan 2025	3.451	Jul 2026	0.781	Apr 2027	-		0.781	0.000	4.605	-
Subtotal			0.000	5.560		6.818		1.959		-		1.959	0.000	14.337	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Continuous Improvement Program (CIP)	C/Various	Various : TBD	0.000	0.001	Jan 2025	0.550	Jan 2026	0.001	Jan 2027	-		0.001	0.000	0.552	-
Subtotal			0.000	0.001		0.550		0.001		-		0.001	0.000	0.552	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E					Project (Number/Name) 675910 / AC/MC Modernization				
		Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		0.000	42.849		76.188		34.164		-		34.164	8.000	161.201	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0605278F / HC/MC-130 Recap RDT&E								675910 / AC/MC Modernization			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 675910 / AC/MC Modernization	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Communication Modification				
Communications Modernization Phase I	1	2025	4	2026
Communications Modernization Phase II	3	2025	4	2031
Government Test Support Phase I	1	2025	4	2026
Government Test Support Phase II	4	2025	3	2030
Continuous Improvement Program (CIP)	1	2025	4	2031
Resilient Positioning, Navigation, and Timing (R-PNT)	3	2026	3	2031
Star XIII Computers	3	2026	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0606018F I NC3 Integration							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	21.289	39.599	36.521	0.000	36.521	37.480	37.561	30.867	31.492	0.000	234.809
674877: NC3 Integration, Assessment, and Improvement	0.000	21.289	39.599	36.521	0.000	36.521	37.480	37.561	30.867	31.492	0.000	234.809
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 War (DoW) 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 Defense, Organization, Training, Materiel, Leadership, Personnel, and Facilities (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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0606018F I NC3 Integration				
program also supports capability gap analyses, predictive analysis of impacts to the weapon system, modernization and integration activities in support of AFGSC's 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.						
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		21.864	40.066	0.000	0.000	0.000
Current President's Budget		21.289	39.599	36.521	0.000	36.521
Total Adjustments		-0.575	-0.467	36.521	0.000	36.521
• 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		-0.575	-0.467			
• Other Adjustments		0.000	0.000	36.521	0.000	36.521
Change Summary Explanation						
FY25: SBIR/STTR Reduction (-0.575M)						
FY26: SBIR/STTR Reduction (-0.467M)						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: NC3 Integration, Assessment, and Improvement Description: Efforts include, but are not limited to: - 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 FY 2026 Plans: NC3 weapon system integration efforts including, but not limited to: - 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		21.289	39.599	36.521

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
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. - 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. - Conduct NC3 Airborne Study to meet mission threats of 2030 and beyond. FY 2027 Plans: NC3 weapon system integration efforts including, but not limited to: - 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 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- 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. - Complete NC3 Airborne Study to meet mission threats of 2030 and beyond.				
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2026 to FY 2027 decrease due to re-baseline efforts. In addition Looking Glass - Next (PE 0302060F) has moved to a new PE accounting for the reduction from FY26 to FY27.				
Accomplishments/Planned Programs Subtotals		21.289	39.599	36.521
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
In addition, PE 0606018F supported Looking Glass - Next (PE 0302060F) establishment and the effort have moved to new PE accounting for the reduction from FY26 to FY27.				
FY26: funding for program establishment activities was executed out of PE 0606018F.				
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	18.430	Oct 2024	30.054	Oct 2025	26.886	Oct 2026	-		26.886	Continuing	Continuing	-
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program	Various	Various : Various	-	-		6.600	Dec 2025	6.600	Dec 2026	-		6.600	Continuing	Continuing	-
Subtotal			-	18.430		36.654		33.486		-		33.486	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration Studies /Test Support	Various	Various : Various	-	0.055	Oct 2024	0.057	Oct 2025	0.060	Oct 2026	-		0.060	Continuing	Continuing	-
Subtotal			-	0.055		0.057		0.060		-		0.060	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA (Eng/Acq Spt/Travel/Supplies)	Various	Various : Various	-	2.804	Oct 2024	2.888	Oct 2025	2.975	Oct 2026	-		2.975	Continuing	Continuing	-
Subtotal			-	2.804		2.888		2.975		-		2.975	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	21.289		39.599		36.521		-		36.521	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration					Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NC3 WS Integration																												
Application Development: Cyber 1.0 Initial Fielding																												
Application Development: Cyber 1.0 Full Capability																												
Application Development: Intelligence 2.0 Initial Fielding																												
Application Development: Intelligence 2.0 Full Capability																												
Application Development: SABER 3.0 Initial Fielding																												
Application Development: SABER 3.0 Full Capability																												
Mission Worthiness Assessment Version Development: 2.0 Full Capability																												
Mission Worthiness Assessment Version Development: 2.1 Initial Fielding																												
Mission Worthiness Assessment Version Development: 2.1 Full Capability																												
Mission Worthiness Assessment Version Development: 3.0 Initial Fielding																												
Mission Worthiness Assessment Version Development: 3.0 Full Capability																												
Mission Worthiness Assessment Version Development: 3.1 Initial Fielding																												
Teamcenter Implementation																												
Teamcenter Execution																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																		Date: April 2026										
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration										Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement								
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AF NC3 Baseline Package Updates (NCBs)																												
Weapon System Handbook Production/ Updating																												
Commodity Radio Certification																												
Supply Chain Risk Illumination																												
Publishing and Oversight of Tech Manuals																												
Enhance Implementation and Target Architecture through Development of NC3 Technologies																												
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program																												
NC3 Airborne Study																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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				
Application Development: Cyber 1.0 Initial Fielding	2	2025	4	2028
Application Development: Cyber 1.0 Full Capability	1	2029	4	2031
Application Development: Intelligence 2.0 Initial Fielding	1	2025	4	2028
Application Development: Intelligence 2.0 Full Capability	1	2029	4	2031
Application Development: SABER 3.0 Initial Fielding	1	2025	4	2027
Application Development: SABER 3.0 Full Capability	1	2028	4	2031
Mission Worthiness Assessment Version Development: 2.0 Full Capability	1	2025	4	2026
Mission Worthiness Assessment Version Development: 2.1 Initial Fielding	4	2026	4	2027
Mission Worthiness Assessment Version Development: 2.1 Full Capability	1	2028	4	2029
Mission Worthiness Assessment Version Development: 3.0 Initial Fielding	1	2029	4	2030
Mission Worthiness Assessment Version Development: 3.0 Full Capability	1	2030	4	2031
Mission Worthiness Assessment Version Development: 3.1 Initial Fielding	1	2031	4	2031
Teamcenter Implementation	1	2025	4	2026
Teamcenter Execution	1	2027	4	2031
AF NC3 Baseline Package Updates (NCBs)	1	2025	4	2031
Weapon System Handbook Production/Updating	1	2025	4	2031
Commodity Radio Certification	1	2025	4	2031
Supply Chain Risk Illumination	1	2025	4	2031
Publishing and Oversight of Tech Manuals	1	2025	4	2031
Enhance Implementation and Target Architecture through Development of NC3 Technologies	1	2025	4	2031

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0606018F / NC3 Integration		Project (Number/Name) 674877 / NC3 Integration, Assessment, and Improvement
		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
NC3 baseline integration of Minuteman III (MMIII) into the Sentinel Weapon System Program		3	2026	4 2030
NC3 Airborne Study		1	2026	3 2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101113F I B-52 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	1,019.125	888.158	1,478.648	0.000	1,478.648	1,664.641	1,263.807	936.562	849.672	Continuing	Continuing
670008: Resilient Operation Capability Suite	0.000	0.000	8.200	5.969	0.000	5.969	23.239	39.720	39.731	0.000	0.000	116.859
670011: ARC-260	0.000	0.000	6.301	13.548	0.000	13.548	5.974	0.000	0.000	0.000	0.000	25.823
670132: B-52 Mission Employment Trainer	0.000	6.213	46.239	0.483	0.000	0.483	98.106	66.773	29.974	19.719	0.000	267.507
671803: B-52 AFMC Test Assets	0.000	1.552	1.509	10.842	0.000	10.842	12.457	3.058	3.118	3.181	Continuing	Continuing
671810: B-52 AEHF Integration	0.000	5.917	18.324	193.950	0.000	193.950	194.200	81.500	0.000	0.000	0.000	493.891
675039: B-52 System Improvements	0.000	40.461	34.450	126.329	0.000	126.329	169.900	165.834	176.612	152.100	0.000	865.686
675056: B-52 Radar Modernization Program (RMP)	0.000	199.958	153.101	106.909	0.000	106.909	52.223	13.088	4.112	0.169	0.000	529.560
675129: B-52 CERP	0.000	753.375	595.650	998.596	0.000	998.596	1,068.919	849.717	666.660	674.503	Continuing	Continuing
675160: B-52 Crypto Modernization	0.000	5.296	1.198	2.943	0.000	2.943	13.908	16.162	5.894	0.000	0.000	45.401
675165: B-52 Quad Crew	0.000	4.650	10.347	1.191	0.000	1.191	1.909	0.000	0.000	0.000	0.000	18.097
676039: B-52 Airspace Compliance	0.000	1.703	12.839	17.888	0.000	17.888	23.806	27.955	10.461	0.000	Continuing	Continuing
Note This program, BA 7, PE 0101113F, project 675039, Long Range Anti-Ship Missile/ Joint Air-to-Surface Standoff Missile (LRASM/JASSM), is a new start. This program, BA 7, PE 0101113F, project 675039, Advanced Wing Weapon Pylon (AWWP), is a new start. This program, BA 7, PE 0101113F, project 675039, Advanced Weapons Integration, is a new start. This program, BA 7, PE 0101113F, project 675160, Intelligence Broadcast System (IBS), 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.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101113F I B-52 Squadrons				
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.						
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.						
The FY 2027 request for B-52 includes \$1,478,648 thousands of discretionary and \$101,100 thousands of mandatory for a total of \$1,579,748 thousands. The mandatory funds B-52 for the Resilient Operation Capability (ROCS) effort to fully fund the program's first year of EMD efforts to include design reviews, and test asset hardware buys; Mission Employment Trainer (MET) 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; and CERP which allows B-52 to fully fund the development effort in Fiscal Year 2027.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		1,051.116	931.164	0.000	0.000	0.000
Current President's Budget		1,019.125	888.158	1,478.648	0.000	1,478.648
Total Adjustments		-31.991	-43.006	1,478.648	0.000	1,478.648
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-77.138			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	44.200			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.800	0.000			
• SBIR/STTR Transfer		-32.791	-10.068			
• Other Adjustments		0.000	0.000	1,478.648	0.000	1,478.648
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 670132: B-52 Mission Employment Trainer						
Congressional Add: High Fidelity Simulator						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2025	FY 2026
Congressional Add Subtotals for Project: 670132		-	26.200
Project: 675039: <i>B-52 System Improvements</i>			
Congressional Add: <i>AFGSC Innovation Hub</i>		32.113	18.000
Congressional Add Subtotals for Project: 675039		32.113	18.000
Congressional Add Totals for all Projects		32.113	44.200
<u>Change Summary Explanation</u>			
FY2025 adjustment is -\$32.791 million for SBIR and +.800 million for MITRE Below threshold reprogramming.			
FY2026 adjustment consist of Congressional marks for +\$18.0 million for B-52 squadrons commercial capabilities; +\$26.2 million for high fidelity simulator modernization; -\$8.250 million for Resilient operational capabilities suite insufficient information; -\$67.686 million for Airspace compliance excess to need; -\$1.202 million early to need and -\$10.068 million for Sec 8151 SBIR/STTR.			
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670008 / Resilient Operation Capability Suite			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
670008: Resilient Operation Capability Suite	0.000	0.000	8.200	5.969	0.000	5.969	23.239	39.720	39.731	0.000	0.000	116.859
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In response to urgent warfighter needs, the 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 antennas, aerial networked, software defined radio communications with embedded cryptography, aircraft integration/computing interfaces, and aircrew peripheral devices on the B-52 aircraft. The aircraft integration, testing, and installation includes Group A components such as an equipment rack, mounts, and wiring needed to connect B-52 to the BMN system of systems enabling robust, aerial network connectivity and data dissemination. The ROCS program will start with an interim, limited capabilities solution to fill an Air Force Bombers urgent need and then transition to permanent solution with two spirals. The ROCS system shortens the long range kill chain decision cycle, enables in-flight mission objective changes and enhance communications in an open computing environment allowing faster integration of adjacent capabilities to meet mission requirements such as Alternate Position, Navigation, and Timing (PNT), Digital High Frequency (HF) (ARC-260) BLOS Communications, Directional Line-Of-Sight waveforms, and SATURN enhanced data rate (SEDR) waveforms.

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.

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

	FY 2025	FY 2026	FY 2027
Title: B-52 ROCS	0.000	8.200	5.969
Description: In response to urgent warfighter needs, the ROCS program connects B-52 to the DAF Battle Management Network (BMN) bringing resilient and reliable Beyond Line-Of-Sight (BLOS) capability and an open computing environment.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 670008 / <i>Resilient Operation Capability Suite</i>	

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

	FY 2025	FY 2026	FY 2027
The program will install antennas, aerial networked, software defined radio communications with embedded cryptography, aircraft integration/computing interfaces, and aircrew peripheral devices on the B-52 aircraft. The aircraft integration, testing, and installation includes Group A components such as an equipment rack, mounts, and wiring needed to connect B-52 to the BMN system of systems enabling robust aerial network connectivity and data dissemination. The ROCS program will start with an interim, limited capabilities solution to fill an Air Force Bombers urgent need and then transition to permanent solution with two spirals. The ROCS system shortens the long range kill chain decision cycle, enables in-flight mission objective changes and enhance communications in an open computing environment allowing faster integration of adjacent capabilities to meet mission requirements such as Alt PNT, Digital HF (ARC-260) BLOS communications, Directional Line-Of-Sight waveforms, and SATURN enhanced data rate (SEDR) waveforms. <i>FY 2026 Plans:</i> Plan to complete an Acquisition Strategy Plan (ASP) and start program at MS B. Plan to award EMD contract and purchase communications/computer test assets to begin system integration lab test activities. <i>FY 2027 Plans:</i> Plan to continue EMD contract, complete design reviews, and purchase additional test assets. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Decrease from FY2026 to FY2027 due to a reduction of Discretionary efforts. The FY2027 ROCS efforts will be addressed with Mandatory funding.			
Accomplishments/Planned Programs Subtotals	0.000	8.200	5.969

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 0101113F: B-52 SQUADRONS	-	-	0.135	-	0.135	59.425	32.873	30.554	8.037	0.000	131.024

Remarks

D. Acquisition Strategy

Program plans on completing an Acquisition Strategy Plan (ASP) and MS B by Q4FY26. Program plans to award EMD contract and purchase test assets in Q4FY26.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670008 / Resilient Operation Capability Suite					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EMD	C/Various	Tinker AFB : TBD	-	-		7.680	Aug 2026	4.919	Aug 2027	-		4.919	Continuing	Continuing	-
Subtotal			-	-		7.680		4.919		-		4.919	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support (A&AS, Travel, OGC, etc.)	Various	Various : TBD	-	-		0.500	Mar 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.500		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test	Various	SIL Tinker AFB : TBD	-	-		-		1.000	Mar 2027	-		1.000	Continuing	Continuing	-
Subtotal			-	-		-		1.000		-		1.000	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Not Specified : TBD	-	-		0.020	Mar 2026	0.050	Mar 2027	-		0.050	Continuing	Continuing	-
Subtotal			-	-		0.020		0.050		-		0.050	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		8.200		5.969		-		5.969	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force							Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons		Project (Number/Name) 670008 / Resilient Operation Capability Suite				
	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons										Project (Number/Name) 670008 / Resilient Operation Capability Suite									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ROCS																												
Milestone B																												
Spiral 1 EMD																												
Spiral 2 EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	4	2026	4	2026
Spiral 1 EMD	4	2026	2	2028
Spiral 2 EMD	1	2029	2	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670011 / ARC-260			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
670011: ARC-260	0.000	0.000	6.301	13.548	0.000	13.548	5.974	0.000	0.000	0.000	0.000	25.823
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 legacy ARC-190 legacy radio is end of life (EOL) and is no longer procurable with increasing sustainment phase-out through FY31. The scope of the work includes, but is not limited to, the replacement of the existing ARC-190 system with an ARC-260 Radio Set Control (RSC) 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.

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

	FY 2025	FY 2026	FY 2027
Title: B-52 ARC-260	0.000	6.301	13.548
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 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 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>			Project (Number/Name) 670011 / <i>ARC-260</i>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Program will continue EMD phase and complete SRR, PDR, and CDR with subsequent Milestone C decision planned in 2QFY27.											
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The increase in funding is due to EMD efforts required to complete SRR, PDR, and CDR on the road to Milestone C in 2QFY27.											
Accomplishments/Planned Programs Subtotals							0.000	6.301	13.548		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 0101113F: <i>B-52 SQUADRONS</i>	-	-	-	-	-	13.400	-	-	-	0.000	13.400
Remarks											
D. Acquisition Strategy The ARC-190 legacy radio is End of Life (EOL) and no longer procurable. 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. 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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/CPIF	TBD : TBD	-	-		4.106	Jul 2026	7.566	Dec 2026	-		7.566	Continuing	Continuing	-
Subtotal			-	-		4.106		7.566		-		7.566	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support	Various	Various : TBD	-	-		1.650	Mar 2026	4.699	Nov 2026	-		4.699	Continuing	Continuing	-
Subtotal			-	-		1.650		4.699		-		4.699	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TEST	Various	Various : TBD	-	-		0.495	May 2026	1.183	May 2027	-		1.183	Continuing	Continuing	-
Subtotal			-	-		0.495		1.183		-		1.183	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	TBD	Not specified. : TBD	-	-		0.050	Mar 2026	0.100	Nov 2026	-		0.100	Continuing	Continuing	-
Subtotal			-	-		0.050		0.100		-		0.100	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		6.301		13.548		-		13.548	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101113F / B-52 Squadrons					670011 / ARC-260			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ARC-260																												
Milestone B																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	4	2026	4	2026
EMD	4	2026	1	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670132 / B-52 Mission Employment Trainer			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
670132: B-52 Mission Employment Trainer	0.000	6.213	46.239	0.483	0.000	0.483	98.106	66.773	29.974	19.719	0.000	267.507
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 include, but is not limited to, new training devices (aircrew, operations and maintenance) and Systems Integration Lab (SIL) that will augment and eventually replace the existing B-52 legacy training systems and SIL that are antiquated, non-concurrent with the B-52 aircraft, and cost-prohibitive for modernization or sustainment. The current B-52 trainers 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 multi-fidelity training devices. These training devices will leverage a common software architecture, include modularity and open mission systems, be rapidly reprogrammable and provide network capability, 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.

FY27 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 develop 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 to ensure a common source baseline and reduce reliance on aircraft hardware and costly sustainment. The MET Cockpit Procedures Training (CPT) devices will be rapidly reconfigurable to different aircraft configurations, and some will be transportable. From initial development, the open architecture lays the groundwork for a roadmap to aircraft concurrency, upgradability, and 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, weapons, etc.) as well as other aircraft upgrades may require studies, analysis and/or support for potential impact to MET. Funds may 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 0605829F, 0605831F, 0605833F, or 0605898F.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons			Project (Number/Name) 670132 / B-52 Mission Employment Trainer				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Title: Mission Employment Trainer							6.213	20.039	0.483		
Description: Mission Employment Trainer (MET) Family of Systems (FoS) is a family of systems consisting of flight simulators that provide necessary full-crew training for various environments and conditions. The MET will include a concurrent Operational Flight Program that is rapidly reprogrammable and support simulated, emulated and/or stimulated mission tasking.											
FY 2026 Plans: The Mission Employment Trainer program will begin development of the Weapons Systems Trainer (WST), Cockpit Procedures Trainer (CPT), Flight Dynamics Modeling and virtualization of the OFPs and leverage forward compatible software to develop the MET FoS. Investment in Joint Simulation compatible hardware and Simulators Common Architecture and Requirements (SCARS) On-premises equipment will ensure compatibility of investment. Begin instrumentation of aircraft to obtain flight systems data to support Level D equivalency.											
FY 2027 Plans: The Mission Employment Trainer program will continue development of the WST, CPT and virtualization of the OFPs and leverage forward compatible software to develop the MET FoS. Aircraft test points will be conducted as well as investment in flight dynamic computational models to support Level D equivalency. Real-time analysis of Contractors will occur ensuring performance and delivery.											
FY 2026 to FY 2027 Increase/Decrease Statement: Decrease from FY2026 to FY2027 due to a reduction of Discretionary efforts. FY27 MET efforts will be addressed with mandatory funding.											
Accomplishments/Planned Programs Subtotals							6.213	20.039	0.483		
						FY 2025	FY 2026				
Congressional Add: High Fidelity Simulator						-	26.200				
FY 2026 Plans: Development of High Fidelity Simulator											
Congressional Adds Subtotals						-	26.200				
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 07 B05200: B-52	-	-	0.000	-	0.000	0.000	49.890	117.800	91.650	0.000	259.340
Remarks											

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 670132 / <i>B-52 Mission Employment Trainer</i>

D. Acquisition Strategy

The Mission Employment Trainer program will competitively award the development and production of the MET FoS. Iterative development will provide prioritized capability delivery to the using command. The contracts will support hardware/software development and incorporation of virtualized/containerized OFPs. As funding permits, options for schedule acceleration will be leveraged to advance development.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 670132 / B-52 Mission Employment Trainer					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR Phase III/TSA IV Fair Opp	TBD	TBD : TBD	-	6.213	Apr 2025	-		-		-		-	0.000	6.213	-
Gated Acquisition Approach	C/Various	Not specified. : TBD	-	-		46.239	Sep 2026	0.483	Jun 2027	-		0.483	Continuing	Continuing	-
Subtotal			-	6.213		46.239		0.483		-		0.483	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	6.213		46.239		0.483		-		0.483	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7						PE 0101113F / B-52 Squadrons						670132 / B-52 Mission Employment Trainer			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Mission Employment Trainer																												
MET WST S/W Development																												
MET WST H/W Development																												
MET CPT S/W Development(Common Source Baseline)																												
MET CPT H/W Development (Common Source Baseline)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 670132 / <i>B-52 Mission Employment Trainer</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Mission Employment Trainer</i>				
MET WST S/W Development	4	2026	2	2030
MET WST H/W Development	4	2026	2	2030
MET CPT S/W Development(Common Source Baseline)	4	2026	2	2030
MET CPT H/W Development (Common Source Baseline)	4	2026	4	2029

Note

WST - Weapons Systems Trainer
 CPT - Cockpit Procedures Trainer
 TAT - Test Aircrew Trainer

Mission Employment Trainer (MET) Family of Systems (FoS) will include, but is not limited to, WSTs, CPTs, TAT and maintenance training devices.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671803 / B-52 AFMC Test Assets			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671803: B-52 AFMC Test Assets	0.000	1.552	1.509	10.842	0.000	10.842	12.457	3.058	3.118	3.181	Continuing	Continuing
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.

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

	FY 2025	FY 2026	FY 2027
Title: B-52 AFMC Test Aircraft Asset Support	1.552	1.509	10.842
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 test assets.			
FY 2026 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 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 671803 / <i>B-52 AFMC Test Assets</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		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 test assets. <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> The increase in funding from FY26 to FY27 is driven by the requirement to sustain the test aircraft with RDT&E funds at Edwards AFB and other locations including parts, labor, and support.			
Accomplishments/Planned Programs Subtotals		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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	1.552	Jan 2025	1.509	Jan 2026	10.842	Jan 2027	-		10.842	Continuing	Continuing	-
Subtotal			-	1.552		1.509		10.842		-		10.842	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.552		1.509		10.842		-		10.842	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101113F / B-52 Squadrons					671803 / B-52 AFMC Test Assets			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AFMC Test Aircraft Support - 0036																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 671810 / B-52 AEHF Integration			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671810: B-52 AEHF Integration	0.000	5.917	18.324	193.950	0.000	193.950	194.200	81.500	0.000	0.000	0.000	493.891
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.

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

	FY 2025	FY 2026	FY 2027
Title: B-52 AEHF Integration	5.917	18.324	193.950
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.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 671810 / <i>B-52 AEHF Integration</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Award competitive prototype OTA to study risk reduction opportunities for FAB-T integration and prototype the process for conducting Engineering and Manufacturing Development (EMD) for B-52 AEHF Integration.			
<i>FY 2027 Plans:</i> Continue Risk Reduction efforts and award follow-on risk reduction & EMD efforts, which will focus on completing preliminary design review with multiple contractors.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased due to additional resources required to carry multiple contractors for the competitive acquisition strategy, risk reduce install location on actual hardware, and additional costs associated with EMD.			
Accomplishments/Planned Programs Subtotals	5.917	18.324	193.950

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOC</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 B05200: <i>B-52</i>	0.000	0.000	0.000	-	0.000	28.838	144.669	146.005	141.011	0.000	460.523

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Risk Reduction OTA	C/FFP	SOSSEC : Salem, NH	-	-		4.858	Jun 2026	-		-		-	Continuing	Continuing	-
EMD	C/TBD	TBD : TBD	-	-		-		89.950	Jul 2027	-		89.950	Continuing	Continuing	-
Subtotal				-		4.858		89.950		-		89.950	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	Various	Not specified. : TBD	-	2.046	Oct 2024	2.456	Oct 2025	2.554	Oct 2026	-		2.554	Continuing	Continuing	-
Taxes	Various	Not specified. : TBD	-	0.254	Jun 2025	-		-		-		-	Continuing	Continuing	-
Other Support	Various	Not specified. : TBD	-	-		2.610	Jan 2026	62.559	Sep 2027	-		62.559	Continuing	Continuing	-
Subtotal				-		2.300		5.066		-		65.113	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Test Support	PO	Not specified. : TBD	-	-		-		30.100	Nov 2026	-		30.100	Continuing	Continuing	-
Subtotal				-		-		30.100		-		30.100	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support (A&AS, Travel, centralized sprt & OGC)	Various	Not specified. : TBD	-	3.617	Feb 2025	8.400	Nov 2025	8.787	Nov 2026	-		8.787	Continuing	Continuing	-
Subtotal				-		3.617		8.400		-		8.787	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons					Project (Number/Name) 671810 / B-52 AEHF Integration			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	5.917		18.324		193.950		-		193.950	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)				Project (Number/Name)			
3600 / 7								PE 0101113F / B-52 Squadrons				671810 / B-52 AEHF Integration			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
B-52 AEHF Integration																												
Risk Reduction																												
MS B																												
EMD																												
MS C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	3	2026	2	2028
MS B	2	2028	2	2028
EMD	2	2028	2	2031
MS C	2	2031	2	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675039 / B-52 System Improvements			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675039: B-52 System Improvements	0.000	40.461	34.450	126.329	0.000	126.329	169.900	165.834	176.612	152.100	0.000	865.686
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101113F, project 675039, Long Range Anti-Ship Missile/ Joint Air-to-Surface Standoff Missile (LRASM/JASSM), is a new start.
This program, BA 7, PE 0101113F, project 675039, Advanced Wing Weapon Pylon (AWWP), is a new start.
This program, BA 7, PE 0101113F, project 675039, Advanced Weapons Integration, is a new start.

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.

Advanced Wing Weapon Pylon (AWWP) is currently within the Systems Improvement Budget Line and will be moved to a new consolidated Weapons BPAC during execution in FY27. The B-52 Advanced Pylon overcomes critical structural limitations of the 1960s-era pylon to enable carriage of next-generation, heavy-weight standoff weapons. It will dramatically increase the B-52's "magazine depth" by allowing it to carry a larger quantity of advanced munitions or single, massive payloads (20,000 lb. class).

Long Range Anti-Ship Missile/ Joint Air-to-Surface Standoff Missile (LRASM/JASSM) Integration is currently within the Systems Improvement BPAC but will be moved to a new consolidated Weapons BPAC during execution in FY27. LRASM / JASM Integration integrates next-generation stealthy cruise missiles. This provides the ability to penetrate and destroy targets inside sophisticated Integrated Air Defense Systems.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements		
Advanced Weapon Integration is currently within the Systems Improvement BPAC but will be moved to a new consolidated Weapons BPAC during execution in FY27. Advanced Weapons Integration will enable the B-52 to launch a diverse mix of next-generation standoff weapons, from hundreds of miles away. Instead of a single weapon type, it can carry a tailored loadout for any scenario, including hypersonic missiles, stealth missiles, and affordable mass munitions.					
A Heavy Bomber Analysis of Alternatives will begin in FY27 to analyze the future long range strike requirements to determine future B-52 requirements and costs and/or a new heavy bomber aircraft configuration and costs.					
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.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Title: B-52 Systems Improvements 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. FY 2026 Plans: N/A FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: N/A			4.476	0.000	0.000
Title: B-52 Advance Extremely High Frequency (AEHF) Integration Description: \$16.450M was inadvertently moved to Project 671810 B-52 AEHF Integration, please see Project 671810 for information on this effort. FY 2026 Plans:			0.000	16.450	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675039 / <i>B-52 System Improvements</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
\$16.450M was inadvertently moved from Project 671810 B-52 AEHF Integration, please see Project 671810 for information on this effort.			
FY 2027 Plans: N/A			
FY 2026 to FY 2027 Increase/Decrease Statement: FY26 funding was in the wrong Project and was realigned to Project 671810. No additional requirements for this thrust.			
Title: Advanced Concept Demonstration		3.872	0.000
Description: Effort supports a classified Proof of Concept demonstration on the B-52.			1.000
FY 2026 Plans: Advanced Concepts Demonstration efforts conclude in FY 2025. No FY 2026 funding allocated to this effort.			
FY 2027 Plans: New Heavy Bomber Analysis of Alternatives. New heavy bomber analysis of alternatives will begin initial planning activities to develop key performance parameters, key system attributes, and additional performance attributes for a follow-on heavy bomber in the USAF. The FY27 work scope will include key planning activities for programmatic, requirements, capabilities, and vendor options that could field in the future.			
FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to funding for New Heavy Bomber Analysis of Alternatives			
Title: Long Range Anti-Ship Missile/ Joint Air-to-Surface Standoff Missile (LRASM/JASSM)		-	0.000
Description: Integrates next-generation stealthy cruise missiles. Provides the ability to penetrate and destroy targets inside sophisticated Integrated Air Defense Systems (IADS). This effort is specific to latest variant of LRASM & JASSM not currently integrated.			50.329
FY 2026 Plans: NA			
FY 2027 Plans: Engineering & Manufacturing Development (EMD) for LRASM/JASSM Integration including computational fluid dynamics, system safety, SEEK EAGLE, and software updates to successfully employ the latest variant of LRASM/JASSM. Integrating the latest variants of LRASM/JASSM onto the B-52. The activities in FY27 will include integrating the missile OFP into the baseline Bomber Software Build (BSB) that's fielded on the B-52. The activities in FY27 will ensure: safe separation of the weapons from both wings and internal carriage launcher, necessary SIL work completed for system safety protocols, Universal Armament Interface			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
updates, crew working groups to ensure full capabilities of the missiles can be used in an operational environment at operational timelines, incorporating classified capabilities of the latest variants onto the B-52, and other various required programmatic activities that allows weapons employment at scale for LRASM/JASSM.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase for additional advance weapons analysis and integration activities				
Title: Advanced Wing Weapon Pylon (AWWP)		-	0.000	30.000
Description: Foundational Engineering & Manufacturing Development (EMD) effort to replace the structurally limited, 1960s-era pylon. This is the key that unlocks all future heavy-weight weapon capabilities for the B-52. Pre-acquisition activities to structure the integration of a GFE weapon onto the AWWP. This effort is focused on defining the joint program structure (MOA) and maturing the technical and programmatic baselines required to begin formal integration once the AWWP design is stable.				
FY 2026 Plans: NA				
FY 2027 Plans: Engineering & Manufacturing Development (EMD) for AWWP is the key for all future heavy-weight weapon capabilities for the B-52. FY2027 will address Pre-acquisition activities to structure the integration of a GFE weapon onto the AWWP. The AWWP will design, develop, integrate and field a new pylon onto the B-52 to take advantage of increased mass provided to the battlefield. Specifically, the current pylons carry limited weapons (i.e. 6x JASSM each) at limited weight, where AWWP will increase carriage capacity in both weight and amount (i.e. 8x JASSM each). FY27 plans will include detailed analysis on requirements, systems engineering, and manufacturing to start acquiring increased capability on the B-52 as well as begin contracting activities for an immediate acquisition for all 76 B-52 tails.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase for additional weapons analysis and integration				
Title: Advanced Weapons Integration		-	0.000	45.000
Description: Integrates the extended-range wing kit for the Joint Direct Attack Munition. Provides a low-cost, high-volume standoff capability against fixed targets, freeing up more exquisite assets for more challenging missions.				
FY 2026 Plans: NA				
FY 2027 Plans: Engineering & Manufacturing Development (EMD) to enable the B-52 to launch weapons currently in development. This may include hypersonic weapons too large for internal carriage capacity or other classified efforts underway. FY2027 plans begin				

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675039 / <i>B-52 System Improvements</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
acquisition activities to field a new heavy hypersonic weapon currently in development. Program activities will include safe separation of the weapons from external pylons (i.e. AWWP), necessary SIL work to ensure system safety protocols are in place, Universal Armament Interface updates, crew working groups to ensure full capabilities of the missiles can be used in an operational environment at operational timelines, incorporating classified capabilities of the latest variants onto the B-52, and other various required programmatic activities that allows weapons employment. Contracts are already established to begin work on integrating new weapons on the B-52. FY 2026 to FY 2027 Increase/Decrease Statement: Increase for additional advance weapons			
Accomplishments/Planned Programs Subtotals		8.348	16.450
		FY 2025	FY 2026
Congressional Add: AFGSC Innovation Hub		32.113	18.000
FY 2025 Accomplishments: N/A			
FY 2026 Plans: This is Congressional Add funding for commercial capabilities.			
Congressional Adds Subtotals		32.113	18.000
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 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675039 / B-52 System Improvements

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Improvements Studies and Analysis	SS/ Various	The Boeing Company, 559 SMXS/MXDPBA : Oklahoma City, OK	-	4.418	Jan 2025	-		-		-		-	0.000	4.418	-
AFGSC Innovation Hub	C/CPAF	Radiance, SBCC, Outerlink : Barksdale, LA	-	32.113	Sep 2025	18.000	Sep 2026	-		-		-	0.000	50.113	-
AFGSC Networking POD	TBD	TBD : Barksdale, LA	-	-		-		-		-		-	Continuing	Continuing	-
Proof of Concept Demonstration	TBD	Not Specified: TBD : Tinker, OK	-	3.872	Jan 2025	-		1.000	May 2027	-		1.000	0.000	4.872	-
AEHF Risk Reduction OTA	C/FFP	SOSSEC : Salem, NH	-	0.000	Nov 2025	12.156	Nov 2025	-		-		-	Continuing	Continuing	-
Advance Wing Weapon Pylon (AWWP)	TBD	TBD : Tinker, OK	-	-		-		30.000	Jan 2027	-		30.000	Continuing	Continuing	-
LRASM/JASSM	TBD	TBD : Tinker, OK	-	-		-		50.329	May 2027	-		50.329	Continuing	Continuing	-
Advance Weapons Integration	TBD	TBD : Tinker, OK	-	-		-		45.000	Jun 2027	-		45.000	Continuing	Continuing	-
Subtotal			-	40.403		30.156		126.329		-		126.329	Continuing	Continuing	N/A

Remarks
New ALBM Dev, LRASM/JASSM and Advance Weapons Integration will execute out of new BPACs in the year of execution.

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B-52 Centralized Support, Program Management Administration, TDY, A&AS Contractor Support - 675039	Various	TBD : OK	-	0.048	Jan 2025	-		-		-		-	0.000	0.048	-
B-52 Centralized Support, Travel - 675039	Various	Various : TBD	-	0.010	Jan 2025	-		-		-		-	0.000	0.010	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 675039 / B-52 System Improvements			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AEHF Program Office Support (A&AS, travel, Centralized sprt & OGC)	Various	Not specified. : TBD	-	-		4.294	Dec 2025	-		-		-	Continuing	Continuing	-
Subtotal			-	0.058		4.294		-		-		-	Continuing	Continuing	N/A
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	40.461		34.450		126.329		-		126.329	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 7	PE 0101113F / B-52 Squadrons	675039 / B-52 System Improvements	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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																												
AWWP																												
AWWP																												
LRASM/JASSM																												
LRASM/JASSM																												
Advance Weapons Integration																												
Advance Weapons Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675039 / <i>B-52 System Improvements</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Systems Improvements</i>				
System Improvements Studies and Analysis, etc.	1	2025	4	2030
<i>AFGSC Innovation Hub</i>				
Industry Collaboration Efforts	1	2025	2	2025
<i>AFGSC Networking POD</i>				
Industry Collaboration Efforts	1	2025	2	2025
<i>Proof of Concept Demonstration</i>				
Proof of Concept	1	2025	4	2025
<i>AWWP</i>				
AWWP	2	2027	4	2031
<i>LRASM/JASSM</i>				
LRASM/JASSM	3	2027	4	2031
<i>Advance Weapons Integration</i>				
Advance Weapons Integration	3	2027	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675056: B-52 Radar Modernization Program (RMP)	0.000	199.958	153.101	106.909	0.000	106.909	52.223	13.088	4.112	0.169	0.000	529.560
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 AN/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), the radar control panel, and the 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, 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.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Title: Radar Modernization Program (RMP)										199.958	153.101	106.909
Description: Supports nuclear and conventional operations by replacing the current AN/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 2026 Plans: Will continue Agile and incremental software code development for version 1.0; continue hardware/software integration Software Integration Lab tests; complete desktop training tool development; complete and deliver second test aircraft; complete ground test and flight testing on software version 0.5; start development flight test efforts on software version 1.0 (AFGSC-approved minimum viable product).												
FY 2027 Plans: Will continue Agile and incremental software code development for version 1.0; continue development flight testing; create, test, and deploy software fix releases to integration labs and development flight test aircraft; prepare for Initial Operational Test and Evaluation (IOT&E).												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding levels decrease because test aircraft modification work will be complete; FY 2027 focus will be delivering software version 1.0 to flight test and fixing discrepancy reports found during development flight test.												
Accomplishments/Planned Programs Subtotals										199.958	153.101	106.909
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 Lineltem B05200: BP11 Production	0.000	65.571	371.083	-	371.083	248.217	310.289	248.865	72.941	0.000	1,316.966	
• APAF 07 Line Item B05200: Post Production Support	0.000	0.111	0.114	-	0.114	0.116	0.118	0.120	0.122	0.000	0.701	
• APAF 06 000999: Initial Spares	0.000	18.160	33.243	-	33.243	2.422	0.236	0.241	0.246	0.000	54.548	
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												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)
contract in June 2021, and conducted System Critical Design Review in February 2022. RMP will enter into Milestone C in June of 2026, and Developmental Flight Test will begin. RMP will wrap up its EMD effort in March of 2029. The RMP program has changed the Lot 1 and 2 ordering strategy from a combined order in Nov 2026 to an order for Lot 1 immediately following Milestone C which is now planned for Jun 2026 and then ordering Lot 2 in early FY 2027. The Lot 1 quantity has changed from 11 to 4 to reflect the loss in bulk ordering discount and reduced procurement funding resulting from the FY 2026 65.593M Congressional mark; Lots 3-5 have been adjusted accordingly to complete the 74-kit procurement.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPFF	The Boeing Company : Oklahoma City, OK	-	2.391	Nov 2024	-		-		-		-	0.000	2.391	-
Engineering & Manufacturing Development (EMD) Phase	SS/CPIF	The Boeing Company : Oklahoma City, OK	-	178.490	Nov 2024	129.009	Nov 2025	83.482	Nov 2026	-		83.482	Continuing	Continuing	-
Subtotal			-	180.881		129.009		83.482		-		83.482	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
557th Software Development	PO	557th SWES : Tinker AFB, OK	-	2.254	Mar 2025	1.752	Nov 2025	-		-		-	Continuing	Continuing	-
CAPRE AESA Adapter Support	C/CPAF	516th SWES : Hill AFB, UT	-	0.285	Aug 2025	-		-		-		-	Continuing	Continuing	-
Direct Cite Civilian Pay	Various	AFLCMC/FZA : WPAFB, OH	-	7.876	Oct 2024	6.586	Oct 2025	6.043	Oct 2026	-		6.043	Continuing	Continuing	-
Subtotal			-	10.415		8.338		6.043		-		6.043	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Edwards AFTC	PO	Edwards AFB : Edwards AFB, CA	-	2.398	May 2025	6.970	Nov 2025	10.360	Nov 2026	-		10.360	Continuing	Continuing	-
AFOTEC Support	PO	AFOTEC : Kirtland AFB, NM	-	0.515	Mar 2025	0.846	Mar 2026	1.360	Mar 2027	-		1.360	Continuing	Continuing	-
47th CTS Cyber Test	PO	47th CTS : Eglin AFB, FL	-	0.040	Dec 2024	0.549	Dec 2025	0.981	Dec 2026	-		0.981	Continuing	Continuing	-
Subtotal			-	2.953		8.365		12.701		-		12.701	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration, A&AS Support, Centralized Support, TDY, OGC	Various	Various : Various	-	5.709	Dec 2024	7.389	Dec 2025	4.683	Dec 2026	-		4.683	Continuing	Continuing	-
Subtotal			-	5.709		7.389		4.683		-		4.683	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	199.958		153.101		106.909		-		106.909	Continuing	Continuing	N/A
Remarks The FY 2027 decrease in the Engineering and Manufacturing Development line is driven by the completion and delivery of the program's two test aircraft in FY 2026. The FY 2027 increase in the Edwards AFTC line is driven by Developmental Test Flight Test activities at Edwards AFB, including operations of the test support aircraft, data collection, analysis, and reporting. AFOTEC support increases because of the engagement in combined DT/OT activities and the preparations for start of Operational Test in early FY 2029.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 675056 / B-52 Radar Modernization Program (RMP)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Radar Modernization Program																												
EMD																												
Developmental Flight Testing																												
MS C																												
IOT&E																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	3	2029
Developmental Flight Testing	3	2026	4	2028
MS C	3	2026	3	2026
IOT&E	1	2029	2	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675129: B-52 CERP	0.000	753.375	595.650	998.596	0.000	998.596	1,068.919	849.717	666.660	674.503	Continuing	Continuing
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.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675129 / <i>B-52 CERP</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: B-52 CERP 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 2026 Plans: Complete all subsystem Critical Design Reviews (CDR) culminating in System CDR. Begin execution of the Post- CDR Development 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 2027 Plans: Continue execution of the Post-CDR Development contract. Continue ordering hardware for two test aircraft on material contracts and deliver necessary components to modify the aircraft. Continue F130 engine integration testing. Begin modification of test aircraft. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase due to transition from design to aircraft modification. Transition involves reassigning personnel to support Post-CDR Development contract and prepare for flight test. FY 2026 funding request lower than requirements to correct prior carry-over.	753.375	595.650	998.596
Accomplishments/Planned Programs Subtotals	753.375	595.650	998.596

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 0101113F: <i>B-52 SQUADRONS</i>	2.104	2.092	0.000	-	0.000	0.000	991.034	1,530.677	2,113.025	Continuing	Continuing

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 Post-CDR Development contract, B-52 CERP will build test hardware and modify two test aircraft, then conduct ground and 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Prototyping Phase 1	SS/ Various	The Boeing Co : Oklahoma City, OK	-	427.271	Oct 2024	166.850	Oct 2025	145.623	Oct 2026	-		145.623	Continuing	Continuing	-
Engine Contract	C/FFP	Rolls Royce : Indianapolis, IN	-	94.916	Dec 2024	26.183	Dec 2025	12.752	Oct 2026	-		12.752	Continuing	Continuing	-
Rapid Prototyping Material 0	SS/CPFF	The Boeing Co : Oklahoma City, OK	-	108.500	Dec 2024	104.862	Jan 2026	79.800	Oct 2026	-		79.800	Continuing	Continuing	-
Rapid Prototyping Material 1	SS/CPFF	The Boeing Co : Oklahoma City, OK	-	60.800	Jan 2025	64.135	Feb 2026	153.467	Oct 2026	-		153.467	Continuing	Continuing	-
Post-CDR Development Contract	SS/ Various	The Boeing Co : Oklahoma City, OK	-	-		152.935	Nov 2025	518.074	Oct 2026	-		518.074	Continuing	Continuing	-
Subtotal			-	691.487		514.965		909.716		-		909.716	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority for Civilian Personnel	Allot	AFLCMC/FZA : Various	-	13.813	Oct 2024	20.330	Oct 2025	21.000	Oct 2026	-		21.000	Continuing	Continuing	-
Documentation - Technical Support	MIPR	Booz Allen Hamilton : Oklahoma City, OK	-	7.344	Dec 2024	7.464	Jan 2026	8.040	Oct 2026	-		8.040	Continuing	Continuing	-
Organic Software Support	Various	Various : Various	-	-		0.368	Jan 2026	0.545	Oct 2026	-		0.545	Continuing	Continuing	-
Subtotal			-	21.157		28.162		29.585		-		29.585	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Edwards AFTC	PO	412TW : Edwards AFB, CA	-	18.614	Jan 2025	21.435	Nov 2025	15.189	Oct 2026	-		15.189	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675129 / B-52 CERP					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AEDC	PO	AEDC/Flight Systems CTF : Arnold AFB, TN	-	6.739	Mar 2025	0.038	Nov 2025	-		-		-	Continuing	Continuing	-
AFOTEC	MIPR	AFOTEC : Edwards AFB, CA	-	0.356	Jan 2025	0.815	Nov 2025	0.947	Oct 2026	-		0.947	Continuing	Continuing	-
Virtual Maintenance Training System	PO	76 SWEG/555 SWES : Tinker AFB, OK	-	-		1.870	Jan 2026	6.240	Nov 2026	-		6.240	Continuing	Continuing	-
Engine Pod Trainer	PO	502nd AETC : TBD	-	-		1.400	Feb 2026	-		-		-	Continuing	Continuing	-
Other Test Support	Various	Various : Various	-	0.234	Jan 2025	1.030	Nov 2025	1.139	Oct 2026	-		1.139	Continuing	Continuing	-
Subtotal			-	25.943		26.588		23.515		-		23.515	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration, A&AS Support, Centralized Support, TDY, OGC	Various	Various : Various	-	14.788	Dec 2024	25.935	Nov 2025	35.780	Oct 2026	-		35.780	Continuing	Continuing	-
Subtotal			-	14.788		25.935		35.780		-		35.780	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	753.375		595.650		998.596		-		998.596	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0101113F / B-52 Squadrons								675129 / B-52 CERP			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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																												
Post-CDR Development Contract																												
Aircraft Kit Procurement and Interim Contractor Support Contract																												
Engineering Services Support Contract																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / <i>B-52 Squadrons</i>	Project (Number/Name) 675129 / <i>B-52 CERP</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>B-52 CERP</i>				
Rapid Prototype Phase 1 Contract	1	2025	1	2030
Rapid Prototype Material 0 Contract	1	2025	4	2031
Rapid Prototype Material 1 Contract	1	2025	4	2031
Engine Contract	1	2025	1	2031
Milestone B	3	2026	3	2026
Critical Design Review	3	2026	3	2026
Post-CDR Development Contract	1	2026	4	2031
Aircraft Kit Procurement and Interim Contractor Support Contract	1	2029	4	2031
Engineering Services Support Contract	1	2031	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675160: B-52 Crypto Modernization	0.000	5.296	1.198	2.943	0.000	2.943	13.908	16.162	5.894	0.000	0.000	45.401
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101113F, project 675160, Intelligence Broadcast System (IBS), is a new start.

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), DoW 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.

FY27 includes a New Start Program B-52 Intelligence Broadcast System (IBS) that will be split out into its own BPAC during the FY27 PB. The IBS program replaces the currently installed IBR-3 with the Joint Tactical Terminal - Next Generation (JTT-NG). The JTT-NG is a low Size, Weight, and Power (SWaP) transceiver to replace the aging fleet of JTT systems, as part of the part of the Intelligence Broadcast System. The JTT-NG will serve as the primary radio communications component of the Joint IBS enterprise that allows Warfighter access to tactical intelligence, and Indication and Warning (I&W) information during early operation or at locations where network connection is limited or being denied.

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

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

	FY 2025	FY 2026	FY 2027
Title: B-52 Crypto Modernization	5.296	1.198	1.276
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 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2025	FY 2026	FY 2027
Continuation of EMD and Software Integration.											
FY 2027 Plans: Completion of EMD and Software Integration.											
FY 2026 to FY 2027 Increase/Decrease Statement: Increase from FY 2026 to FY 2027 is due to extension and completion of EMD and the Software Integration effort.											
Title: Intelligence Broadcast System (IBS)									-	0.000	1.667
Description: The JTT-NG will serve as the primary radio communications component of the Joint IBS enterprise that allows Warfighter access to tactical intelligence, and Indication and Warning (I&W) information during early operation or at locations where network connection is limited or being denied.											
FY 2026 Plans: N/A New Start in FY27											
FY 2027 Plans: Begin EMD efforts including the purchase of a Prototype kit, antenna hardware, and software integration development.											
FY 2026 to FY 2027 Increase/Decrease Statement: The increase in FY27 is due to the start of a new program (IBS)											
Accomplishments/Planned Programs Subtotals									5.296	1.198	2.943
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line item B05200: BP11 Production	8.548	24.277	25.944	-	25.944	59.383	67.344	49.183	40.415	Continuing	Continuing
• APAF 06 000999: Initial Spares/Repair Parts	0.570	1.280	-	-	-	-	-	-	-	0.000	1.850
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 FY2027. 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 FY26.											

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons	Project (Number/Name) 675160 / B-52 Crypto Modernization
IBS: EMD - Expected to execute the integration program via a consortium competitive contract. Group A Kit (wiring / kitting / antenna / software) - Execute a consortium competitive contract. Group B Kit (Joint Tactical Terminal-Next Generation) - Government Furnished Equipment from the Air Force Tactical (AFLCMC/C3NG). Installation - Executed via Programmed Depot Maintenance (PDM) and Contract Field Team (CFT) contract.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675160 / B-52 Crypto Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Crypto Modernization: Development and Integration Activities	SS/CPIF	OEM : Oklahoma City, OK	-	5.251	Sep 2025	1.058	Oct 2026	0.846	Jan 2027	-		0.846	0.000	7.155	-
IBS - EMD	C/CPFF	TBF : TBD	-	-		-		1.143	Jun 2027	-		1.143	Continuing	Continuing	-
Subtotal			-	5.251		1.058		1.989		-		1.989	Continuing	Continuing	N/A
Remarks															
In order to pay for the end of the Crypto Software Merge contract, funding in the amount of 2.62M in FY25 and 0.17M in FY26 are being given to the B-52 RMP program with an expected payback in FY27.															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support	Various	Not specified. : TBD	-	-		0.095	Mar 2026	0.385	Jun 2027	-		0.385	0.000	0.480	-
Program Office Support - IBS	Various	Not specified. : TBD	-	-		-		0.488	Mar 2027	-		0.488	Continuing	Continuing	-
Subtotal			-	-		0.095		0.873		-		0.873	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Not specified. : TBD	-	0.045	Mar 2025	0.045	Mar 2026	0.045	Mar 2027	-		0.045	0.000	0.135	-
Travel - IBS	Various	Not specified. : TBD	-	-		-		0.036	Mar 2027	-		0.036	Continuing	Continuing	-
Subtotal			-	0.045		0.045		0.081		-		0.081	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	5.296		1.198		2.943		-		2.943	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons						Project (Number/Name) 675160 / B-52 Crypto Modernization			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Crypto Modernization																												
EMD																												
IQT/FQT																												
DT/OT																												
MS C																												
IBS																												
MS B																												
EMD																												
DT/OT																												
MS C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2027
IQT/FQT	1	2025	1	2025
DT/OT	1	2025	1	2026
MS C	4	2026	4	2026
IBS				
MS B	1	2027	2	2027
EMD	2	2027	2	2030
DT/OT	4	2027	2	2029
MS C	3	2028	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675165: B-52 Quad Crew	0.000	4.650	10.347	1.191	0.000	1.191	1.909	0.000	0.000	0.000	0.000	18.097
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 Station supporting situational awareness, self-protection, and survivability in a contested environment and any other requirement needed to reduce the crew from five to four personnel.

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.

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

	FY 2025	FY 2026	FY 2027
Title: B-52 Quad Crew	4.650	10.347	1.191
Description: The Quad Crew program reduces B-52 crew size from five to four personnel. The program will relocate 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 2026 Plans: Continue Engineering and Manufacturing Development activities that will include aircraft structure and design efforts, development of aircraft technical documentation, kit development, complete critical design review, begin modification of test aircraft, and developmental/operational test.			
FY 2027 Plans: Finish Engineering and Manufacturing Development activities, complete test aircraft modification. Conduct verification and testing in support of upcoming installation activities			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Decrease due to EMD completion in FY27.												
Accomplishments/Planned Programs Subtotals										4.650	10.347	1.191
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 0101113F: B-52 SQUADRONS	-	-	1.418	-	1.418	4.505	20.650	23.900	-	0.000	50.473	
Remarks												
D. Acquisition Strategy												
The Quad Crew program reduces B-52 crew size from five to four personnel. The program will relocate 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 will use a combination of organic capabilities and existing Electronic Warfare Officer (EWO) contract with Electronic Warfighter program office to conduct the required EMD tasks necessary to relocate Line Replaceable Units (LRUs).												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 675165 / B-52 Quad Crew					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B-52 Quad Crew	SS/CPFF	L3Harris : Greenville, TX	-	2.000	Apr 2025	10.317	Apr 2026	1.171	Apr 2027	-		1.171	Continuing	Continuing	-
Subtotal			-	2.000		10.317		1.171		-		1.171	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Support, A&AS, PMA	SS/CPFF	Various : Various	-	2.650	Mar 2025	0.030	Mar 2026	0.020	Mar 2027	-		0.020	Continuing	Continuing	-
Subtotal			-	2.650		0.030		0.020		-		0.020	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.650		10.347		1.191		-		1.191	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0101113F / B-52 Squadrons					675165 / B-52 Quad Crew									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Quad Crew																												
EMD																												
DT/OT																												
MS-C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	1	2025	2	2027
DT/OT	4	2026	2	2027
MS-C	1	2027	1	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676039: B-52 Airspace Compliance	0.000	1.703	12.839	17.888	0.000	17.888	23.806	27.955	10.461	0.000	Continuing	Continuing
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, DoW 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 element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F

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

	FY 2025	FY 2026	FY 2027
Title: Airspace Compliance (M-Code)	1.703	12.839	17.888
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 2026 Plans: Airspace Compliance issued sole-source RFP to Boeing for the B-52 M-Code EMD program (Jan 2026); Airspace Compliance to fund B-52-specific R-EGI software development (May 2026) required for successful integration; program to complete Milestone B requirements to award EMD contract (Nov 2026)			
FY 2027 Plans: Airspace Compliance plans to continue B-52/R-EGI software development, with delivery of B-52/R-EGI software load (May 2027); program to award B-52 M-Code EMD contract and initiate EMD activities (May 2027)			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
The FY2026 increase is due to the program's transition from the TMRR Phase to the EMD.												
Accomplishments/Planned Programs Subtotals										1.703	12.839	17.888
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF 05 0101113F: B-52 SQUADRONS	-	-	-	-	-	-	1.900	19.100	22.000	Continuing	Continuing	
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 FY2027.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101113F / B-52 Squadrons				Project (Number/Name) 676039 / B-52 Airspace Compliance					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration Study	MIPR	TBD : Oklahoma City, OK	-	1.683	Sep 2025	0.000	Jun 2026	-		-		-	Continuing	Continuing	-
R-EGI (Resilient-Embedded GPS/INS)	MIPR	Not specified. : TBD	-	-		0.800	Feb 2026	0.800	Jul 2027	-		0.800	Continuing	Continuing	-
Software	MIPR	TBD : Oklahoma City, OK	-	-		2.810	May 2026	6.744	Oct 2026	-		6.744	Continuing	Continuing	-
Various EMD efforts	Various	Not specified. : TBD	-	-		6.682	Mar 2026	8.730	Mar 2027	-		8.730	Continuing	Continuing	-
Subtotal			-	1.683		10.292		16.274		-		16.274	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support (A&AS, Travel, OGC, etc.)	Various	TBD : TBD	-	0.000	Mar 2025	2.497	Mar 2026	1.533	Mar 2027	-		1.533	Continuing	Continuing	-
Subtotal			-	0.000		2.497		1.533		-		1.533	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Not Specified : TBD	-	0.020	Jul 2025	0.050	Jul 2026	0.081	Jul 2027	-		0.081	Continuing	Continuing	-
Subtotal			-	0.020		0.050		0.081		-		0.081	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	1.703		12.839		17.888		-		17.888	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)			Project (Number/Name)				
3600 / 7					PE 0101113F / B-52 Squadrons			676039 / B-52 Airspace Compliance				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Airspace Compliance																												
Studies / Risk Reduction																												
MS B																												
EMD																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	1	2025	2	2027
MS B	1	2027	1	2027
EMD	2	2027	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101122F I Air-Launched Cruise Missile (ALCM)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.527	0.555	0.570	0.000	0.570	0.591	0.601	0.613	0.625	Continuing	Continuing
674797: ALCM Upgrades	0.000	0.527	0.555	0.570	0.000	0.570	0.591	0.601	0.613	0.625	Continuing	Continuing
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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0101122F I Air-Launched Cruise Missile (ALCM)				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.542	0.555	0.000	0.000	0.000	
Current President's Budget	0.527	0.555	0.570	0.000	0.570	
Total Adjustments	-0.015	0.000	0.570	0.000	0.570	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	-0.015	0.000				
• Other Adjustments	0.000	0.000	0.570	0.000	0.570	
Change Summary Explanation						
FY2025 reduction of -\$0.015 million due to SBIR.						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: ALCM Test Plan Development and Evaluation				0.527	0.555	0.570
Description: Develop test procedures to implement CJCS-directed requirement for Electromagnetic (EM) testing for nuclear systems.						
FY 2026 Plans: Perform ALCM Pylon and Common Strategic Rotary Launcher (CSRL) High-Altitude Electromagnetic Pulse (HEMP) testing.						
FY 2027 Plans: Continue ALCM Pylon and Common Strategic Rotary Launcher (CSRL) High-Altitude Electromagnetic Pulse (HEMP) testing in FY27.						
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase due to inflation.						
Accomplishments/Planned Programs Subtotals				0.527	0.555	0.570

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0101122F I Air-Launched Cruise Missile (ALCM)						
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• MPAF 03 Line Item MALCBG: ALCM, Missile Modifications	34.019	41.393	30.407	-	30.407	47.625	8.062	8.234	8.395	Continuing	Continuing	
• MPAF 04 Line Item MALCBG: ALCM, Replenishment Spares	1.933	2.648	3.406	-	3.406	2.761	2.816	2.872	2.928	Continuing	Continuing	
• MPAF 04 Line Item 999/Replen Spa...: ALCM, Initial Spares	0.366	0.369	0.377	-	0.377	0.384	0.392	0.399	0.407	Continuing	Continuing	
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	0.527	May 2025	0.555	May 2026	0.570	May 2027	-		0.570	Continuing	Continuing	-
Subtotal			-	0.527		0.555		0.570		-		0.570	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.527		0.555		0.570		-		0.570	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0101122F / Air-Launched Cruise Missile (ALCM)					674797 / ALCM Upgrades									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CBRN Test																												
CBRN Test Execution																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 Execution	2	2025	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101126F I B-1B Squadrons							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	17.316	150.566	273.552	0.000	273.552	330.619	166.428	69.399	83.712	0.000	1,091.592
675344: B-1B Modernization	0.000	17.316	150.566	273.552	0.000	273.552	330.619	166.428	69.399	83.712	0.000	1,091.592
Note This program, BA 7, PE 0101126F, project 675344, EXPANDED WEAPONS INTEGRATION:, is a new start. This program, BA 7, PE 0101126F, project 675344, RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNA ELECTRONICS (DAE):, 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 Air Force 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. The FY 2027 President's Budget Request for the B-1B Lancer is a direct investment in the strategic imperatives outlined in the 2026 National Defense Strategy. Following the reversal of its planned retirement, the B-1B's role as the backbone of America's long-range conventional strike force is more critical than ever. As demonstrated recently in Operation Absolute Resolve and Operation Epic Fury, the B-1B is an indispensable tool for achieving national security objectives. This request provides the necessary funding to modernize the platform, ensuring its lethality and relevance through the mid 2030's by directly supporting the three pillars of the 2026 National Defense Strategy: Integrated Deterrence, Campaigning, and Building a Resilient and Lethal Joint Force. LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION: The Long-Range Anti-Ship Missile (LRASM) C-3 is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM Air to Ground Missile (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 Offensive Anti-Surface Warfare (OASuW) capability. Beginning in FY 2026, the United States Air Force (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 Q1 FY 2028. 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 United States Navy (USN) is the lead service for the LRASM program; the USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements. HYBRID SATELLITE COMMUNICATIONS (SATCOM):												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101126F I B-1B Squadrons	
Air Force Global Strike Command requirement document 1067 23-075, signed Q3 FY 2024, amended Q4 FY 2025 identified a need for a critical upgrade to Bombers beyond-line-of-sight (BLOS) communication capabilities. The current legacy data network is outdated and unreliable, leading to connectivity issues that hinder effective command and control (C2) and isolate combat air forces from the Air Operations Center (AOC) and the Combatant Commander. This degradation of situational awareness and communication negatively impacts mission execution and the ability to process information at the tactical edge. To address this capability gap, a modern, resilient, and reliable BLOS networking capability is required. This will support the transition to a Joint Fires Network (JFN) and the broader Joint All-Domain Command and Control (JADC2) concept. The solution will provide robust cyber defense, optimize aircraft weapons and routing, and enable the transfer of J-series messages and digital files via Transmission Control Protocol / Internet Protocol (TCP/IP) interfaces. The system must be fully integrated with existing aircraft power, cooling, and data bus systems, while also considering open architecture for future technological advancements. HYBRID Satellite Communications (SATCOM) provides resilient communication using Proliferated Low Earth Orbit (pLEO) satellites, providing the B-1B communication in contested environments. Securing alternate network connectivity and pathways will ensure long-range re-targeting 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. Urgent operational requirement identified Q2 FY 2026 to field initial capability utilizing Tactical Airborne Communication Kit (TACKit) within one year. TACKit will provide network connectivity for Beyond Line of Sight (BLOS) secure data until the Hybrid SATCOM solution is fully fielded in 2030. EXTERNAL HEAVY-STORES PYLON: Air Force Global Strike Command requirement document 1067 23-85, signed Q2 FY 2024 identified a need to Maximize carriage of existing standoff munitions on the B-1B. The B-1B is the premiere standoff weapon employment platform, carrying more AGM-158B/C Joint Air-to-Surface Standoff Missile (JASSM) and Long-Range Anti-Ship Missile (LRASM) than any other Combat Air Force (CAF) Asset. The B-1B provides mass, maneuver, and economy of force to combatant commanders. AFGSC, as the force provider of long-range strike and lead-Major Command (MAJCOM) for standoff attack weapons, provided guidance to pursue external carry on the B-1B. During the stand-up of the future bomber force (B-21 emergence and B-52 upgrades), the B-1B will be the primary bomber available to combatant commanders. External Heavy-Stores Pylon program builds on the accomplishments of the Hypersonic Integration Program, a Congressional Add, by providing increased carriage capacity of external stores on the B-1B aircraft. Maximum carriage of external weapons on the B-1B provides near-term increased volume of fires and serves to mitigate transition risk of the Air Force bomber fleet prior to the emergence of the B-21 as a combat bomber. HYPERSONIC INTEGRATION: The FY 2022 and FY 2023 Conference Appropriations, detailed in the Congressional Conference Reports of Interest, added 20.0 million (10.0 million in FY 2022 and 10.0 million in FY 2023) Research Testing Development and Evaluation (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.		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0101126F I B-1B Squadrons	
The Hypersonic Integration Program successfully demonstrated the B-1B'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. EXPANDED WEAPONS INTEGRATION: This funding supports the B-1B Expanded Weapons Integration (EWI) program, a Continuous Improvement Program (CIP) essential for maintaining the platform's combat relevance against sophisticated adversaries, providing B-1B the ability to counter pacing and future threats. The primary objective of EWI is to advance the B-1B's ability to deliver a diverse range of standoff munitions, a critical capability for executing missions in contested anti-access/area denial (A2/AD) environments. Current efforts focus on expanding the overall external carriage arsenal, including but not limited to: Guided Bomb Unit (GBU)-72, multiple Joint Air-to-Surface Standoff Missile (JASSM) and Long-Range Anti-Ship Missile (LRASM), Joint Direct Attack Munition (JDAM), Air Launched Rapid Response Weapon (ARRW) and Air to Ground Missile (AGM-183). New Start FY 2027. This program will integrate advanced weapon systems, including hypersonic missiles, by funding the requisite engineering, software development, and comprehensive testing to certify new weapon systems for safe carriage and employment. By expanding the B-1B's payload and mission flexibility, this program significantly enhances its contribution to the nation's long-range strike portfolio, ensures it remains a formidable asset capable of meeting future mission demands, and improves overall combat readiness. New Start FY 2027. RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNA ELECTRONICS (DAE): Resilient PNT using GPS M-Code enables the B-1B to accomplish its missions in the face of increasingly adverse GPS environments and conditions. GPS anti-jam and anti-spoofing capability provided by GPS M-Code supported by DAE improves the B-1B's ability to operate in an adverse GPS threat environment. New Start FY 2027. RADIO-CRYPTO MODERNIZATION: The B-1B Radio Crypto program originates from Joint Requirements Oversight Council Memorandum (JROCM) 040-11, Very High Frequency and Ultra High Frequency Wideband Tactical Secure Voice System Cryptographic Equipment (VACM) Cease Key CED-026-11, Ultra High Frequency (UHF) Satellite Communication (SATCOM) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and Department of War (DoW) 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 (SLOS), beyond line of sight (BLOS), and anti-jam communication with ground and air forces. The initiative will replace the existing Airborne Radio Communications system Army-Navy Airborne Electronic Device for Radio Communications Equipment (ARC-210) (Generation 3/4) with ARC-210 (Generation 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the DoW Chief Information Officer (CIO) directive to move all DoW assets to MUOS constellation (70% by FY 2026). This effort will lay in Ethernet cable required by MUOS Data (Joint Range Extension Applications Protocol (JREAP) 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 Q2 FY 2023 approving an updated acquisition strategy that combined the program		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0101126F / <i>B-1B Squadrons</i>
increments into one technical baseline and accelerated the schedule. A further updated ADM signed Q2 2024 accelerated the full production lot buys. Preliminary Design Review (PDR) was completed in Q4 FY 2023, Critical Design Review (CDR) approval was completed Q1 FY 2024, Ground Testing was completed in Q2 FY 2025, Flight Testing was completed Q4 FY 2025. Program is on track to reach Milestone (C) Q3 FY 2026. No FY 2027 funding requested for this program. B-1B TEST JET MAINTENANCE (MX): The B-1B Air Force Materiel Command (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 of test aircraft 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). 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 Diminishing Manufacturing Sources and Material Shortages (DMSMS) accommodating technology insertion and fulfilling Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Costs include program management and administrative 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. This program element may include necessary direct cite authority civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.		

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PE 0101126F: B-1B Squadrons
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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675344: B-1B Modernization	0.000	17.316	150.566	273.552	0.000	273.552	330.619	166.428	69.399	83.712	0.000	1,091.592
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101126F, project 675344, EXPANDED WEAPONS INTEGRATION:, is a new start.

This program, BA 7, PE 0101126F, project 675344, RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNA ELECTRONICS (DAE):, 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 Air Force 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.

The FY 2027 President's Budget Request for the B-1B Lancer is a direct investment in the strategic imperatives outlined in the 2026 National Defense Strategy. Following the reversal of its planned retirement, the B-1B's role as the backbone of America's long-range conventional strike force is more critical than ever. As demonstrated recently in Operation Absolute Resolve and Operation Epic Fury, the B-1B is an indispensable tool for achieving national security objectives. This request provides the necessary funding to modernize the platform, ensuring its lethality and relevance through the mid 2030's by directly supporting the three pillars of the 2026 National Defense Strategy: Integrated Deterrence, Campaigning, and Building a Resilient and Lethal Joint Force.

LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION:

The Long-Range Anti-Ship Missile (LRASM) C-3 is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM Air to Ground Missile (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 Offensive Anti-Surface Warfare (OASuW) capability. Beginning in FY 2026, the United States Air Force (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 Q1 FY 2028. 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 United States Navy (USN) is the lead service for the LRASM program; the USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements.

HYBRID SATELLITE COMMUNICATIONS (SATCOM):

Air Force Global Strike Command requirement document 1067 23-075, signed Q3 FY 2024, amended Q4 FY 2025 identified a need for a critical upgrade to Bombers beyond-line-of-sight (BLOS) communication capabilities. The current legacy data network is outdated and unreliable, leading to connectivity issues that hinder effective

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / <i>B-1B Squadrons</i>	Project (Number/Name) 675344 / <i>B-1B Modernization</i>
command and control (C2) and isolate combat air forces from the Air Operations Center (AOC) and the Combatant Commander. This degradation of situational awareness and communication negatively impacts mission execution and the ability to process information at the tactical edge. To address this capability gap, a modern, resilient, and reliable BLOS networking capability is required. This will support the transition to a Joint Fires Network (JFN) and the broader Joint All-Domain Command and Control (JADC2) concept. The solution will provide robust cyber defense, optimize aircraft weapons and routing, and enable the transfer of J-series messages and digital files via Transmission Control Protocol / Internet Protocol (TCP/IP) interfaces. The system must be fully integrated with existing aircraft power, cooling, and data bus systems, while also considering open architecture for future technological advancements. HYBRID Satellite Communications (SATCOM) provides resilient communication using Proliferated Low Earth Orbit (pLEO) satellites, providing the B-1B communication in contested environments. Securing alternate network connectivity and pathways will ensure long-range re-targeting 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. Urgent operational requirement identified Q2 FY 2026 to field initial capability utilizing Tactical Airborne Communication Kit (TACKit) within one year. TACKit will provide network connectivity for Beyond Line of Sight (BLOS) secure data until the Hybrid SATCOM solution is fully fielded in 2030. EXTERNAL HEAVY-STORES PYLON: Air Force Global Strike Command requirement document 1067 23-85, signed Q2 FY 2024 identified a need to Maximize carriage of existing standoff munitions on the B-1B. The B-1B is the premiere standoff weapon employment platform, carrying more AGM-158B/C Joint Air-to-Surface Standoff Missile (JASSM) and Long-Range Anti-Ship Missile (LRASM) than any other Combat Air Force (CAF) Asset. The B-1B provides mass, maneuver, and economy of force to combatant commanders. AFGSC, as the force provider of long-range strike and lead-Major Command (MAJCOM) for standoff attack weapons, provided guidance to pursue external carry on the B-1B. During the stand-up of the future bomber force (B-21 emergence and B-52 upgrades), the B-1B will be the primary bomber available to combatant commanders. External Heavy-Stores Pylon program builds on the accomplishments of the Hypersonic Integration Program, a Congressional Add, by providing increased carriage capacity of external stores on the B-1B aircraft. Maximum carriage of external weapons on the B-1B provides near-term increased volume of fires and serves to mitigate transition risk of the Air Force bomber fleet prior to the emergence of the B-21 as a combat bomber. HYPERSONIC INTEGRATION: The FY 2022 and FY 2023 Conference Appropriations, detailed in the Congressional Conference Reports of Interest, added 20.0 million (10.0 million in FY 2022 and 10.0 million in FY 2023) Research Testing Development and Evaluation (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-1B'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. EXPANDED WEAPONS INTEGRATION:		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / <i>B-1B Squadrons</i>	Project (Number/Name) 675344 / <i>B-1B Modernization</i>
This funding supports the B-1B Expanded Weapons Integration (EWI) program, a Continuous Improvement Program (CIP) essential for maintaining the platform's combat relevance against sophisticated adversaries, providing B-1B the ability to counter pacing and future threats. The primary objective of EWI is to advance the B-1B's ability to deliver a diverse range of standoff munitions, a critical capability for executing missions in contested anti-access/area denial (A2/AD) environments. Current efforts focus on expanding the overall external carriage arsenal, including but not limited to: Guided Bomb Unit (GBU)-72, multiple Joint Air-to-Surface Standoff Missile (JASSM) and Long-Range Anti-Ship Missile (LRASM), Joint Direct Attack Munition (JDAM), Air Launched Rapid Response Weapon (ARRW) and Air to Ground Missile (AGM-183). New Start FY 2027. This program will integrate advanced weapon systems, including hypersonic missiles, by funding the requisite engineering, software development, and comprehensive testing to certify new weapon systems for safe carriage and employment. By expanding the B-1B's payload and mission flexibility, this program significantly enhances its contribution to the nation's long-range strike portfolio, ensures it remains a formidable asset capable of meeting future mission demands, and improves overall combat readiness. New Start FY 2027. RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNA ELECTRONICS (DAE): Resilient PNT using GPS M-Code enables the B-1B to accomplish its missions in the face of increasingly adverse GPS environments and conditions. GPS anti-jam and anti-spoofing capability provided by GPS M-Code supported by DAE improves the B-1B's ability to operate in an adverse GPS threat environment. New Start FY 2027. RADIO-CRYPTO MODERNIZATION: The B-1B Radio Crypto program originates from Joint Requirements Oversight Council Memorandum (JROCM) 040-11, Very High Frequency and Ultra High Frequency Wideband Tactical Secure Voice System Cryptographic Equipment (VACM) Cease Key CED-026-11, Ultra High Frequency (UHF) Satellite Communication (SATCOM) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and Department of War (DoW) 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 (SLOS), beyond line of sight (BLOS), and anti-jam communication with ground and air forces. The initiative will replace the existing Airborne Radio Communications system Army-Navy Airborne Electronic Device for Radio Communications Equipment (ARC-210) (Generation 3/4) with ARC-210 (Generation 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the DoW Chief Information Officer (CIO) directive to move all DoW assets to MUOS constellation (70% by FY 2026). This effort will lay in Ethernet cable required by MUOS Data (Joint Range Extension Applications Protocol (JREAP) 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 Q2 FY 2023 approving an updated acquisition strategy that combined the program increments into one technical baseline and accelerated the schedule. A further updated ADM signed Q2 2024 accelerated the full production lot buys. Preliminary Design Review (PDR) was completed in Q4 FY 2023, Critical Design Review (CDR) approval was completed Q1 FY 2024, Ground Testing was completed in Q2 FY 2025, Flight Testing was completed Q4 FY 2025. Program is on track to reach Milestone (C) Q3 FY 2026. No FY 2027 funding requested for this program. B-1B TEST JET MAINTENANCE (MX):		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons	Project (Number/Name) 675344 / B-1B Modernization				
The B-1B Air Force Materiel Command (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 of test aircraft 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). 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 Diminishing Manufacturing Sources and Material Shortages (DMSMS) accommodating technology insertion and fulfilling Federal Aviation Administration (FAA) or other mandates necessary to ensure continued aircrew safety and mission effectiveness. Costs include program management and administrative 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. This program element may include necessary direct cite authority civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F.							
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: RADIO-CRYPTO MODERNIZATION (RCM)			17.316	0.000	0.000	-	0.000
Description: The B-1B Radio Crypto program originates from Joint Requirements Oversight Council Memorandum (JROCM) 040-11, Very High Frequency and Ultra High Frequency Wideband Tactical Secure Voice System Cryptographic Equipment (VACM) Cease Key CED-026-11, Ultra High Frequency (UHF) Satellite Communication (SATCOM) Decommission and Cease Key for Demand Assigned Multi Access (DAMA) Orderwire, HAVE QUICK II Cease use date, and Department of War (DoW) 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 (SLOS), beyond line of sight (BLOS), and anti-jam communication with ground and air forces. The initiative will replace the existing Airborne Radio Communications system Army-Navy Airborne Electronic Device for Radio Communications Equipment (ARC-210) (Generation 3/4) with ARC-210 (Generation 6) next generation radios. Additionally, the program will provide MUOS Satellite Communication capability that supports the Department of War (DoW) Chief Information Officer (CIO) directive to move all DoW assets to MUOS constellation (70% by FY 2026). This effort will lay in Ethernet cable required by MUOS Data (Joint Range Extension Applications Protocol (JREAP) C), install MUOS ancillaries High Power Amplifier/Low Noise							

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons		Project (Number/Name) 675344 / B-1B Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
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 Q2 FY 2023 approving an updated acquisition strategy that combined the program increments into one technical baseline and accelerated the schedule. A further updated ADM signed Q2 2024 accelerated the full production lot buys. Preliminary Design Review (PDR) was completed in Q4 FY 2023, Critical Design Review (CDR) approval was completed Q1 FY 2024, Ground Testing was completed in Q2 FY 2025, Flight Testing was completed Q4 FY 2025. Program is on track to reach Milestone (C) Q3 FY 2026. No FY 2027 funding requested for this program. FY 2026 Plans: No RDT&E funding in FY 2026; complete software correction for cryptographic hardware and transition to production and retrofit. FY 2027 Base Plans: No RDT&E funding in FY 2027 due to completion of Engineering and Manufacturing Development (EMD). FY 2026 to FY 2027 Increase/Decrease Statement: No RDT&E funding in FY 2027 due to completion of EMD.						
Title: LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION: Description: The Long-Range Anti-Ship Missile (LRASM) C-3 is increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM Air to Ground Missile (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 Offensive Anti-Surface Warfare (OASuW) capability. Beginning in FY 2026, the United States Air Force (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 Q1 FY 2028. 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 United States Navy (USN) is the lead service for the LRASM program; the USAF and USN jointly procure LRASMs via a USAF contract that benefits from cost savings when aligned with JASSM-ER procurements. FY 2026 Plans:		0.000	7.834	12.216	-	12.216

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026				
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons	Project (Number/Name) 675344 / B-1B Modernization				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Begin integration efforts for the C3 variant of the LRASM missile. Verify interface documents, begin allocating detailed functional requirements to B-1B weapons software and begin mission planning updates needed for the new missile variant, including aircrew interface requirements. FY 2027 Base Plans: Continue software integration effort, procure test asset, and provide Developmental Testing/Operational Testing (DT/OT) support. FY 2026 to FY 2027 Increase/Decrease Statement: Increase in software integration efforts for the C-3 variant.							
Title: HYBRID SATELLITE COMMUNICATIONS (SATCOM): Description: HYBRID Satellite Communications (SATCOM) provides resilient communication using Proliferated Low Earth Orbit (pLEO) satellites, providing the B-1B communication in contested environments. Securing alternate network connectivity and pathways will ensure long-range re-targeting 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. Urgent operational requirement identified Q2 FY 2026 to field initial capability utilizing Tactical Airborne Communication Kit (TACKit) within one year. TACKit will provide network connectivity for Beyond Line of Sight (BLOS) secure data until the Hybrid SATCOM solution is fully fielded in 2030. FY 2026 Plans: Hybrid Satellite Communications (SATCOM): Integrate and fly pre-production Proliferated Low Earth Orbit (pLEO) hardware from Air Force Research Lab (AFRL) and Air Force Command, Control, Communication, and Battle Management (C3BM). Develop Concept of Operations (CONOPS) and user interface with early user testing. Begin updating/designing of Hardware/Software (HW/SW) for "plug and play" of production hardware. Tactical Airborne Communication Kit (TACKit): Integrate and fly interim TACKit hardware from Air Force (AF) Command, Control, Communication, and Battle Management (C3BM) on 10 aircraft to support critical capability need. FY 2027 Base Plans: Complete RDT&E efforts on Hybrid SATCOM FY 2026 to FY 2027 Increase/Decrease Statement:			0.000	18.861	7.000	-	7.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons		Project (Number/Name) 675344 / B-1B Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Decrease due to completion of Hybrid SATCOM RDT&E as the program transitions into production.					
Title: EXTERNAL HEAVY-STORES PYLON: Description: EXTERNAL HEAVY-STORES PYLON: External Heavy-Stores Pylon program builds on the accomplishments of the Hypersonic Integration Program, a Congressional Add, by providing increased carriage capacity of external stores on the B-1B aircraft. Maximum carriage of external weapons on the B-1B provides near-term increased volume of fires 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 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. Each Group A Kit (Install Kit) includes an aircraft wiring harness kit and a hardware kit. Each Group B Kit (Equipment Kit) is a Load Adjustable Modular (LAM) Pylon, External Multi-purpose Rotary Launcher (E-MRPL) and associated Group B equipment. FY 2027 Base Plans: Continue airworthiness analysis, and test activities to support ground and flight test events. Finalize hardware design to include changes to Line Replaceable Units (LRUs) and wiring. Order Group A and Group B hardware for on-aircraft testing. Conduct software testing and ground testing. Each Group A Kit (Install Kit) includes an aircraft wiring harness kit and a hardware kit. Each Group B Kit (Equipment Kit) is a Load Adjustable Modular (LAM) Pylon and associated Group B equipment. Expand external carriage opportunities to Advance 5,000-pound (A5K) Guided Bomb Unit (GBU-72) to include Software and Hardware development. FY 2026 to FY 2027 Increase/Decrease Statement: The External Heavy-Stores Pylon Program is operating to an accelerated program schedule with Initial Operating Capability (IOC) targeted for Q1 FY 2029. In order to support these schedule commitments, the program requires increased funding to support FY 2027 activities.	0.000	49.778	96.100	-	96.100
Title: EXPANDED WEAPONS INTEGRATION: Description: This funding supports the B-1B Expanded Weapons Integration (EWI) program, a Continuous Improvement Program (CIP) essential for maintaining the platform's combat relevance against sophisticated	-	0.000	71.736	0.000	71.736

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons		Project (Number/Name) 675344 / B-1B Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
adversaries, providing B-1B the ability to counter pacing and future threats. The primary objective of EWI is to advance the B-1B's ability to deliver a diverse range of standoff munitions, a critical capability for executing missions in contested anti-access/area denial (A2/AD) environments. Current efforts focus on expanding the overall external carriage arsenal, including but not limited to: Guided Bomb Unit (GBU)-72, multiple Joint Air-to-Surface Standoff Missile (JASSM) and Long-Range Anti-Ship Missile (LRASM), Joint Direct Attack Munition (JDAM), Air Launched Rapid Response Weapon (ARRW) and Air to Ground Missile (AGM-183). New Start FY 2027. This program will integrate advanced weapon systems, including hypersonic missiles, by funding the requisite engineering, software development, and comprehensive testing to certify new weapon systems for safe carriage and employment. By expanding the B-1B's payload and mission flexibility, this program significantly enhances its contribution to the nation's long-range strike portfolio, ensures it remains a formidable asset capable of meeting future mission demands, and improves overall combat readiness. FY 2026 Plans: N/A FY 2027 Base Plans: Develop aircraft software and hardware to allow the B-1B to carry the Guided Bomb Unit GBU-72, Long-Range Anti-Ship Missile (LRASM), Joint Air-to-Surface Standoff Missile (JASSM) and Air Launched Rapid Response Weapon (ARRW) weapons externally. Develop mission planning software to allow the B-1B to carry the GBU-72, LRASM, JASSM and Air Launched Rapid Response Weapon (ARRW) externally. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Program is a FY 2027 New Start.						
Title: RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNA ELECTRONICS (DAE): Description: Resilient Positioning, Navigation and Timing (PNT) using Global Positioning System (GPS) Military Code (M-Code) enables the B-1 to accomplish its missions in the face of increasingly adverse GPS		-	0.000	22.000	0.000	22.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons	Project (Number/Name) 675344 / B-1B Modernization				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
environments and conditions. GPS anti-jam and anti-spoofing capability provided by GPS M-Code supported by Digital Antenna Electronics (DAE) improves the B-1's ability to operate in an adverse GPS threat environment. FY 2026 Plans: N/A FY 2027 Base Plans: Integrate equipment including Global Positioning System (GPS) Military Code (M-code) capable receivers, antenna electronics units, and signal processing equipment into B-1B platform avionics architecture. Design mechanical and electrical interfaces between new and existing equipment, purchase prototype equipment and installation kits for future testing and integrate minor necessary changes within B-1B Operational Flight Program software blocks. FY 2027 OOC Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Program is a FY 2027 New Start.						
Title: Bomber Supplemental Trainer Aircrew Readiness (BSTAR) Description: The Bomber Supplemental Trainer for Aircrew Readiness (BSTAR) program is designed to enhance the proficiency of bomber aircrew by introducing Contractor-Owned, Contractor-Operated (COCO) supplemental training operations to enhance aircrew proficiency through airmanship, instrument proficiency, and Crew Resource Management (CRM) for bomber aircrew. It is intended to enhance and sustain foundational airmanship, instrument proficiency, and crew coordination skills outside the primary Mission Design Series (MDS), using a high-tempo, low-cost supplemental trainer. Performance data, training outcomes, and airmanship development trends from this effort will inform decisions regarding sustainment, scaling, and potential enterprise implementation of a steady-state BSTAR Companion Trainer Program. This initiative aligns with USAF strategic objectives to improve B-1 aircrew operational efficiency across its bomber fleet. This program will aim to aid the B-1 aviators through supplemental training throughout the aircrew members' careers within Air Force Global Strike Command. FY 2026 Plans: FY 2026 Congressional Add: Begin and execute an Initial Operational Capability (IOC) for the BSTAR program by operationally testing the COCO supplemental training construct supporting Dyess and Ellsworth AFB,		-	0.000	56.300	-	56.300

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons		Project (Number/Name) 675344 / B-1B Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
delivering operationally relevant ground and flight training to B-1 aircrew while generating and sustaining planned sortie throughput across both locations. FY 2027 Base Plans: Complete an Initial Operational Capability (IOC) for the BSTAR program by operationally testing the COCO supplemental training construct supporting Dyess and Ellsworth AFB, delivering operationally relevant ground and flight training to B-1 aircrew while generating and sustaining planned sortie throughput across both locations. FY 2026 to FY 2027 Increase/Decrease Statement: FY 2026 Congressional Add, FY 2027 Program						
Title: B-1B Test Jet Maintenance (MX) Description: The B-1B Air Force Materiel Command (AFMC) Test Jet Maintenance (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 2026 Plans: Scheduled maintenance activities to include Programmed Depot Maintenance, safety of flight and Diminishing Manufacturing Sources (DMS) issues and other mandates necessary to ensure continued aircrew safety and mission effectiveness. FY 2027 Base Plans: Program Management Administration (PMA) and centralized support including initiatives for anticipated weapon system enhancements, analysis, documentation, and related activities necessary to support the B-1B weapon system. FY 2026 to FY 2027 Increase/Decrease Statement:		0.000	29.093	8.200	-	8.200

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization			
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
FY 2026 funds supported Program Depot Maintenance (PDM) for Developmental Test (DT) Jet 85-0068; FY 2027 has no scheduled PDM activities.											
Accomplishments/Planned Programs Subtotals							17.316	105.566	273.552	0.000	273.552
							FY 2025	FY 2026			
Congressional Add: Tactical Edge Networked Targeting in a Contested Long-range Environment (TENTaCLE) BLOC FY 2025 Accomplishments: N/A FY 2026 Plans: TENTaCLE Block Kits funding will modify 4 aircraft with the hardware and develop the architecture to support a Hybrid SATCOM capability on the aircraft.							0.000	10.000			
Congressional Add: Bomber Supplemental Trainer Aircrew Readiness (BSTAR) FY 2026 Plans: Begin and execute an Initial Operational Capability (IOC) for the BSTAR program by operationally testing the COCO supplemental training construct supporting Dyess and Ellsworth AFB, delivering operationally relevant ground and flight training to B-1 aircrew while generating and sustaining planned sortie throughput across both locations.							-	35.000			
Congressional Adds Subtotals							0.000	45.000			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item B01B00: Training Support to Units, Mods PE 0809731F	0.513	0.251	0.736	-	0.736	0.732	0.743	0.769	0.784	0.000	4.528
• APAF 05 B01B00: B-1B	12.893	73.642	146.126	-	146.126	83.288	54.794	13.907	40.255	0.000	424.905
Remarks											
D. Acquisition Strategy											
The B-1 is currently undergoing modernization of its communication systems, weapon systems, weapons carried, navigation, and training systems. Most, but not all B-1 modernization programs will utilize the existing Boeing support contract. Key elements of the acquisition strategy include: use of cost plus fixed 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	6.635	Nov 2024	-		-		-		-	0.000	6.635	35.000
Radio Crypto, CNMS via Navy	MIPR	US Navy : OKC, OK	-	9.782	Apr 2026	-		-		-		-	Continuing	Continuing	-
LRASM C-3 Boeing EA	SS/CPFF	Boeing : OKC, OK	-	-		1.209	Mar 2026	2.850	Feb 2027	-		2.850	Continuing	Continuing	-
Hybrid SATCOM	SS/CPFF	KBR : OKC, OK	-	-		14.000	Apr 2026	6.780	Nov 2026	-		6.780	Continuing	Continuing	-
Hybrid SATCOM TACKit	SS/CPAF	C3BM : OKC, OK	-	-		3.817	Mar 2026	-		-		-	Continuing	Continuing	-
B-1B Test Jet MX	PO	Tinker AFB : OKC, OK	-	-		28.255	Feb 2026	8.200	Apr 2027	-		8.200	Continuing	Continuing	-
External Pylons NIAR Design	MIPR	NIAR : Wichita, KS	-	-		18.226	May 2026	-		-		-	Continuing	Continuing	-
External Pylons Boeing Provisioning	C/CPFF	Boeing : OKC, OK	-	-		23.697	May 2026	-		-		-	Continuing	Continuing	-
External Pylons NIAR Prototype EMPRL Mod	MIPR	NIAR : Wichita, OK	-	-		-		7.000	Jan 2027	-		7.000	Continuing	Continuing	-
External Pylons Eclypse Wire Tester	MIPR	Warner Robins : Warner Robins, GA	-	-		-		1.500	May 2027	-		1.500	Continuing	Continuing	-
External Pylons LRASM CCTV LRASM SPO	MIPR	Lockheed Martin : Orlando, FL	-	-		-		53.057	Feb 2027	-		53.057	Continuing	Continuing	-
External Pylons Arnold AFB AFT Station Wind Tunnel	MIPR	Arnold AFB : Arnold AFB, TN	-	-		-		6.000	May 2027	-		6.000	Continuing	Continuing	-
ARRW IMV (ARRW SPO)	MIPR	Lockheed Martin : Dallas, TX	-	-		-		11.000	Mar 2027	-		11.000	Continuing	Continuing	-
Expanded Weapon Integration A5K Software Integration Boeing EA	SS/CPFF	Boeing : OKC, OK	-	-		-		15.000	Jan 2027	-		15.000	Continuing	Continuing	-
Expanded Weapon Integration Multi Carry Junction Box Prototype (NIAR)	MIPR	NIAR : Wichita, KS	-	-		-		19.236	Aug 2027	-		19.236	Continuing	Continuing	-
PNT GPS M-Code	SS/CPFF	Boeing : OKC, OK	-	-		-		4.000	Dec 2026	-		4.000	Continuing	Continuing	-
PNT GPS M-Code Kits	SS/CPFF	Viavi / ASEI : TBD	-	-		-		17.500	Dec 2026	-		17.500	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENTaCLE Bloc	SS/CPFF	US Navy : TBD	-	-		10.000	Mar 2026	-		-		-	Continuing	Continuing	-
BSTAR	C/CPAF	X-Star Incorporated : Abilene, TX	-	-		35.000	Mar 2026	56.300	Mar 2027	-		56.300	Continuing	Continuing	-
Subtotal			-	16.417		134.204		208.423		-		208.423	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LRASM C-3 (C3CCTV)	PO	Convert to C3CCTV : NAS PAX, MD	-	-		1.000	Apr 2026	-		-		-	Continuing	Continuing	-
LRASM C-3 (CCTV iTIK)	TBD	TM-Only iTIK buy : NAS PAX, MD	-	-		0.500	Apr 2026	-		-		-	Continuing	Continuing	-
LRASM C-3 (C3AUR)	SS/TBD	Purchase C3AUR : NAS PAX, MD	-	-		0.000	Apr 2026	4.966	Dec 2026	-		4.966	Continuing	Continuing	-
LRASM C-3 (WSS)	C/TBD	Weapon Systems SIM : TBD	-	-		2.500	May 2026	-		-		-	Continuing	Continuing	-
LRASM C-3 Mission Planning	SS/TBD	Update Software : Lincoln, MA	-	-		0.412	Mar 2026	-		-		-	Continuing	Continuing	-
LRASM C-3 (Base Support)	SS/TBD	LM Base Support : TBD	-	-		1.000	Mar 2026	1.000	Mar 2027	-		1.000	Continuing	Continuing	-
LRASM C-3 (412th Supoort)	SS/TBD	Gov Test Support (412th) : TBD	-	-		0.000	Mar 2027	1.000	May 2027	-		1.000	Continuing	Continuing	-
External Pylons CBMTS SW Upgrade	MIPR	Software Upgrade (422nd) : Tinker AFB, OK	-	-		-		5.000	Jul 2027	-		5.000	Continuing	Continuing	-
External Pylons Load Trainer AST	MIPR	Load Trainer (ASI) : San Antonio, TX	-	-		-		15.000	Aug 2027	-		15.000	Continuing	Continuing	-
External Pylons Pylon Support	MIPR	Pylon Support : NIAR, KS	-	-		-		1.000	Aug 2027	-		1.000	Continuing	Continuing	-
Expanded Weapons Integration Software Integration (Boeing)	SS/CPFF	Boeing : OKC, OK	-	-		-		17.250	Jan 2027	-		17.250	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons				Project (Number/Name) 675344 / B-1B Modernization					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Expanded Weapons Integration Mission Planning	MIPR	557th : OKC, OK	-	-		-		3.000	Jan 2027	-		3.000	Continuing	Continuing	-
Subtotal			-	-		5.412		48.216		-		48.216	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LRASM C-3 AFSEO	C/TBD	Not specified. : TBD	-	-		-		0.200	Dec 2026	-		0.200	Continuing	Continuing	-
LRASM C-3 DT Missions	C/TBD	Not specified. : TBD	-	-		-		1.000	Jun 2027	-		1.000	Continuing	Continuing	-
Expanded Weapon Integration Organic SOF EMC Testing	MIPR	Tinker : OKC, OK	-	-		-		1.784	Jun 2027	-		1.784	Continuing	Continuing	-
Subtotal			-	-		-		2.984		-		2.984	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA - SAF WITHHOLD/ SBIR TAX, FY27 Estimate	Various	Various : TBD	-	-		-		6.729	Dec 2026	-		6.729	Continuing	Continuing	-
PMA - SAF WITHHOLD/ SBIR TAX, FY26 Estimate	Various	Various : TBD	-	-		3.787	Mar 2026	-		-		-	Continuing	Continuing	-
PMA/DCA -Program DCA Support	Various	Various : OKC, OK	-	0.899	Sep 2025	4.142	May 2026	3.950	Mar 2027	-		3.950	Continuing	Continuing	-
PMA-Program Office Support	MIPR	Various : TBD	-	-		3.021	Apr 2026	3.250	Jan 2027	-		3.250	Continuing	Continuing	-
Subtotal			-	0.899		10.950		13.929		-		13.929	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons					Project (Number/Name) 675344 / B-1B Modernization			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	17.316		150.566		273.552		-		273.552	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101126F / B-1B Squadrons	Project (Number/Name) 675344 / B-1B Modernization	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
RADIO-CRYPTO MODERNIZATION																												
DT/OT																												
MS-C																												
LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION																												
EMD																												
HYBRID SATELLITE COMMUNICATIONS (SATCOM)																												
EMD																												
EXTERNAL HEAVY-STORES PYLON																												
DESIGN																												
PROVISIONING																												
EMD																												
EXPANDED WEAPONS INTEGRATION																												
EMD																												
RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNAELECTRONICS (DAE)																												
EMD																												
B-1B TEST JET MX																												
B-1B TEST JET MX																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0101126F / B-1B Squadrons

Project (Number/Name)

675344 / B-1B Modernization

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
RADIO-CRYPTO MODERNIZATION				
DT/OT	1	2025	4	2025
MS-C	3	2026	3	2026
LONG-RANGE ANTI-SHIP MISSILE (LRASM) C-3 INTEGRATION				
EMD	2	2026	1	2029
HYBRID SATELLITE COMMUNICATIONS (SATCOM)				
EMD	2	2026	1	2028
EXTERNAL HEAVY-STORES PYLON				
DESIGN	2	2026	1	2028
PROVISIONING	2	2026	1	2028
EMD	2	2026	1	2030
EXPANDED WEAPONS INTEGRATION				
EMD	1	2027	2	2030
RESILIENT POSITIONING, NAVIGATION AND TIMING (PNT) GLOBAL POSITIONING SYSTEM (GPS) MILITARY CODE (M-CODE) AND DIGITAL ANTENNAELECTRONICS (DAE)				
EMD	1	2027	4	2029
B-1B TEST JET MX				
B-1B TEST JET MX	2	2026	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101127F I B-2 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	44.020	72.351	418.178	0.000	418.178	572.048	667.383	409.514	212.024	0.000	2,395.518
675345: B-2 Modernization	0.000	36.004	64.359	418.178	0.000	418.178	572.048	667.383	409.514	212.024	0.000	2,379.510
676021: BASELINE SUPPORT	0.000	8.016	7.992	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.008

Note

This program, BA 7, PE 0101127F, project 675345, Radar Modernization, is a new start.

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. 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, radar capabilities, testing, and support equipment development.

The Air Force will also study, prototype and demonstrate, multiple structural, avionics, engine modifications, as well as advanced weapons capabilities, carriage systems integration and communications, that could improve the performance of the aircraft, engines, 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, 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

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PE 0101127F: B-2 Squadrons
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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 675345 / B-2 Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675345: B-2 Modernization	0.000	36.004	64.359	418.178	0.000	418.178	572.048	667.383	409.514	212.024	0.000	2,379.510
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101127F, project 675345, Radar Modernization, is a new start.

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 Satellite Communication (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, which is reaching end of life, to the Mobile User Objective System (MUOS) satellite constellation bringing enhanced security and functionality for beyond line-of-sight (BLOS) communications. 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. Answering the warfighters requests for additional highly secure communications pathway, funds will support the development and integration of Digital High Frequency (HF) radio suite and Alternative Communications radio, that will enable the B-2 to communicate and receive critical messages 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-sight (LOS) capability. B2C3's objective is to identify, leverage, and integrate existing capabilities to meet Air Force Global Strike Command'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 Multi-Mission Domain (MMD), an OMS architecture within the B-2, and Spiral 2 will implement the Airborne Integrated Terminal Group (AITG) providing LOS Ultra High Frequency (UHF) and Very High Frequency (VHF) anti-jam, encrypted, and unencrypted voice communications. AITG will replace the AN/ARC-234 radio (reached end-of-life on 01 Oct 2025) with two AN/ARC-210 radios and will transition the B-2 from the HAVEQUICK waveform (sunsetting 01 Oct 2024) to the new 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

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / <i>B-2 Squadrons</i>	Project (Number/Name) 675345 / <i>B-2 Modernization</i>
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 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. 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. 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. The Modular Rotary Launcher Assembly (MRLA) modernizes the fleet to include implementation of the Universal Armament Interface (UAI) for accelerated weapons integration and flexibility to accommodate stores types. The MRLA is a common, rotary launcher and its controlling Line Replaceable Units (LRUs) improves capability and increases armament capacity for the B-2 Air Vehicle (AV). New software will provide for the integration of a weapon domain that incorporates a new stores management software (SMS) to be utilized by MRLA. UAI will allow the implementation of software that corresponds with the MRLA program and utilizes a standard interface to reduce cost and schedule when integrating new 1760 stores on aircraft and allows the various stores to be defined in Configuration Data Sets (CDSs). The added UAI capability will simplify the integration of the next generation weapons systems on the B-2. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities. Expanded Strike begins the development of responsive weapons integration effort and lays the groundwork for early integrations, enabling capabilities outside the System Software Trouble Report (SSTR) process, assists demonstrations and reduces long timelines associated with contracting actions. Expanded Strike's rapid response actions to meet warfighter needs through weapon systems capabilities and integration will require innovative action with the assistance of open system architecture including universal armament interphase to reduce long development timelines. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities. Hybrid SATCOM modernizes B-2 Line of Sight (BLOS) communication capability by connecting the B-2 to multiple commercial and military satellite networks, in all orbits, to ensure resilient, reliable, and redundant connectivity to the DAF Battle Network. This capability leverages software-defined radio networking, which enables high data rate uplink and downlink connections and allows the B-2 to communicate through two or more satellite constellations simultaneously. As Air Force Global		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / <i>B-2 Squadrons</i>	Project (Number/Name) 675345 / <i>B-2 Modernization</i>
Strike Command transitions to a Joint Fires Network with redundant and alternative data networks, the B-2 must update BLOS capabilities in kind to support Command and Control, Joint Fires Integration, and mission execution. Securing this alternate network connectivity will ensure long-range integration capability and increase combat effectiveness through a modern, resilient, and reliable construct. B-2 Digital High Frequency (HF) program provides a terrestrial-based resilient and reliable alternative Beyond Line of Sight (BLOS) communication capability in Highly Contested Environments (HCE). This communications pathway does not require satellite constellation networks to work. This capability will increase the B-2 warfighters ability to operate and communicate in HCE which is necessary for high-end operations and provides Combatant Commanders increased command and control flexibility. Funding will enable the rapid integration and fielding of the HF Argus System onto the federated Adaptable Communication Suite (ACS) as a roll on/off capability. Also, the system is designed to receive advanced HF waveforms for tasking and targeting and demonstrates long range communications. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities. The B-2 Spirit's AN/APQ-181 radar is essential for its penetrating strike mission. However, the radar's "backend" components are obsolete, unreliable, and unsustainable, driving radar failures and impacting aircraft availability. This Radar Modernization RDT&E program addresses these critical deficiencies by developing and testing a modernization solution. The core of this effort is to design, fabricate, and qualify a Signal Translation Unit (STU). This STU will serve as the critical interface between the B-2's existing Active Electronically Scanned Array (AESA) antenna and modernized, backend processors. RDT&E funds will be used for systems engineering, STU development and associated LRUs, antenna integration, and extensive integration testing in a lab environment to prove the viability of the hybrid architecture. This effort will mature the design and mitigate technical risk, ensuring the solution is ready for subsequent procurement and fleet-wide fielding. This program is essential to develop a producible and effective solution to the B-2's most pressing radar sustainability issue. Flight Test (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 and operational systems integration and flight test. Flight Test (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, engine, weapon, communication, navigation or other capabilities, including range support. 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)		
Title: Low Observable Signature and Supportability Mods and Trainers		
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.		
	FY 2025	FY 2026
	1.520	3.225
		6.323

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons		Project (Number/Name) 675345 / B-2 Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
FY 2026 Plans: LOSSM will continue funding research and development efforts related to classified survivability capabilities on the B-2. These efforts involve the integration of novel technologies that will provide new capabilities not previously employed by the B-2, and other LO platforms. Developing RF diagnostic tools to improve signature stability maintenance at all levels. Funding will also be leveraged to continue research and development of RAZR capabilities, including 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 for continued updates related to the Modernized Tactical Situational Display (MTSD). FY 2027 Plans: LOSSM will continue funding research and development efforts related to classified survivability capabilities on the B-2. These efforts involve the integration of novel technologies that will provide new capabilities not previously employed by the B-2, and other LO platforms, including potential updates to the Modernized Tactical Situational Display (MTSD), and studying top maintenance man hour drivers in support of signature stability to develop future improvement projects. Funding will support continued development of RF diagnostic tools to reduce maintenance man hours per flight hours and ensure stability in Air Vehicle (AV) Radar Cross Section (RCS). Funding will be leveraged to support continued research and development of the RAZR capabilities, including optimization using advanced techniques (3D imaging, basis pursuit), on-aircraft installed antenna evaluation. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities. FY 2026 to FY 2027 Increase/Decrease Statement: FY27 increase to support ongoing studies and integration efforts supporting improved Radar Cross Section (RCS) and survivability.					
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 (MUOS) 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 2026 Plans: No FY2026 Funding. This effort was completed in FY2025. FY 2027 Plans:			16.650	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
No FY27 efforts					
FY 2026 to FY 2027 Increase/Decrease Statement: Not applicable					
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 4.0 & 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 Beyond-Line-of-Sight (BLOS) and Line-of-Sight (LOS) Link-16 data into the cockpit display and provides a single consolidated Modernized Tactical Situational Display (MTSD) centrally located for the aircrew. B2C3 Spiral 2 effort develops and fields the Airborne Integrated Terminal Group (AITG) capability which provides Line-of-Sight Ultra High Frequency (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 reached end-of-life on 01 Oct 2025. AITG replacement will also implement the SATURN Waveform for anti-jam voice communications; this is a transition from the HAVE QUICK Waveform which retired effective 01 Oct 2024. FY 2026 Plans: Funding will be used to complete EMD and studies related to weapons integration FY 2027 Plans: no FY27 efforts FY 2026 to FY 2027 Increase/Decrease Statement: Decrease due to development activities completing in FY2026			14.105	1.130	0.900
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 program completed DMS-M removal from the test aircraft in Dec 2023. FY 2026 Plans: No FY 2026 RDT&E funding. FY 2027 Plans:			2.042	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons		Project (Number/Name) 675345 / B-2 Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
No FY27 funding					
FY 2026 to FY 2027 Increase/Decrease Statement: not Applicable					
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. FY 2026 Plans: Continuing A&AS for Logistics, Configuration, and Cyber Security support, and travel to enable mission requirements. FY 2027 Plans: Continuing A&AS for Logistics, Configuration, and Cyber Security support, and travel to enable mission requirements. FY 2026 to FY 2027 Increase/Decrease Statement: No increase or decrease in efforts			1.687	0.004	0.004
Title: MGUE (Military GPS User Equipment) Description: The MGUE (Military GPS User Equipment) program is a Department of War (DoW) initiative to upgrade the existing military GPS service to provide enhanced satellite acquisition and tracking, improved navigation accuracy and integrity monitoring, and increased security. Programs using military GPS services have been directed to integrate M-Code into applicable platforms, thus resulting in meeting AFGSC MAJCOM requirements and incorporating additional resiliency features. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities FY 2026 Plans: This effort was initiated by Congressionally approved spend plan for the Congressional add titled "NC3 Modernization and Golden Dome Initiatives" FY 2027 Plans:			0.000	0.000	12.545

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
B-2 will use funding to begin development and integration of the MAGR-2KM receiver.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase due to Space Systems Command removal of B-2 as lead integration platform. Funding required to complete integration and meet USAF/AFGSC M-Code mandate.					
Title: Global Lightning / Hybrid SATCOM Description: Global Lightning / Hybrid SATCOM provides a resilient and reliable Beyond Line of Sight (BLOS) communications capability that utilizes multiple constellations to connect the B-2 to the DAF Battle Network enhancing Combatant Commander's command and control abilities. Global Lightning incorporates a multi-waveform, multi-frequency terminal that provides communication through commercial and military satellite constellations across multiple orbital regimes. Global Lighting will secure alternate network connectivity and pathways that will restore long-range integration capability and increase B-2 combat effectiveness through modern, resilient, and reliable construct. This program will ensure B-2's ability to rapidly execute combatant command missions through enhanced communications, increased situational awareness, and mission effectiveness. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities FY 2026 Plans: This effort was initiated by Congressionally approved spend plan for the Congressional add titled "NC3 Modernization and Golden Dome Initiatives" FY 2027 Plans: Funding will be used to advance Technology, Maturity, and Risk Reduction (TMRR) as well as Engineering, and Manufacturing Design (EMD) efforts. FY 2026 to FY 2027 Increase/Decrease Statement: Increase in funding for incremental development approach to transition prototype into EMD effort.			0.000	0.000	34.133
Title: Modular Rotary Launcher Assembly (MRLA) Description: The Modular Rotary Launcher Assembly (MRLA) delivers new capability to the B-2 fleet including Universal Armament Interface (UAI), increased weapons capacity, and acceleration of weapons integration while avoiding the diminishing manufacturing sources risk associated with the legacy RLA. Funding shall include integration of the new hardware including but not limited to the tube, spline, replacements of the LRUs, software coding, development, corrections, and test of the software and hardware configuration required to field the MRLA/UAI capability. This program will require environmental hardware qualification, development and delivery of technical orders, a technical data package of engineering documentation to include source code and drawings and formal system level laboratory testing to verify requirements are met prior to Government inherent activities including Developmental Test (DT), Operational Test (OT), and Aircraft Monitor and Control (AMAC) Nuclear Certification testing.			0.000	0.000	167.094

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons		Project (Number/Name) 675345 / B-2 Modernization	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
FY 2026 Plans: This effort was initiated by Congressionally approved spend plan for the Congressional add titled "NC3 Modernization and Golden Dome Initiatives"					
FY 2027 Plans: This is not a FY2027 New start. MRLA FY2027 funding will include but not limited to the purchase of test kits/assets, software integration, coding, development and lab testing, airworthiness evaluation, initiation of the nuclear certification process, initiation of the Seek Eagle process, and initial test planning.					
FY 2026 to FY 2027 Increase/Decrease Statement: Increase for purchase of test assets and continuation of EMD effort					
Title: Expanded Strike			0.000	0.000	90.279
Description: B-2 will use funding to begin the development of responsive weapons integration effort and to lay the groundwork for early integrations, enable capabilities outside the System Software Trouble Report (SSTR) process, assist demonstrations, and reduce long timelines associated with contracting actions. Weapons integration may include QuickStrike, QuickSink, ERAM, GBU-62, and other New Weapons. This may also include weapons integration of classified weapons including classified long-range strike 1 and classified long-range strike 2. Expanded Strike is intended to meet the warfighter intent to rapidly integrate new weapons.					
Expanded Strike's rapid response action to meet warfighter needs through weapon systems capabilities and integration will require innovative action with the assistance of open system architecture, including Universal Armament Interface (UAI) and hardware to reduce long development timelines.					
FY 2026 Plans: This effort was initiated by Congressionally approved spend plan for the Congressional add titled "Advanced Weapons Integration"					
FY 2027 Plans: This is not a FY2027 new start. Funding will be utilized for continued weapons integration for multiple weapons simultaneously to include QuickStrike, QuickSink, ERAM, GBU-62 and other potential new weapons.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding added for continued development of rapid weapons integration on the B-2.					
Title: Flight Test (Baseline Support)			0.000	0.000	9.600
Description: Flight Test (Baseline Support) 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					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
operational aircraft and accelerating deployment of advanced operational capabilities to the warfighter. This is a continuation of effort that was formerly under Project 676021: BASELINE SUPPORT.				
FY 2026 Plans: Program is not a new start. Funding prior to FY27 included in Project 676021, Baseline Support.				
FY 2027 Plans: To continue to provide comprehensive support for all B-2 test activities, including the maintenance and support of the B-2 flight test aircraft. Our responsibilities will also include integration flight testing, planning activities, weapons integration, instrumentation support (DT/OT), associated range costs, test support equipment, and air vehicle maintenance. To ensure the highest quality of test data, we will upgrade the test jet to match the fleet's configuration, enabling more accurate and operationally relevant test scenarios. The ultimate goal is to expand the test jet's mission to conduct all required B-2 testing.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increased funding for Flight Test (Baseline Support) will be used to support required B-2 test infrastructure and activities.				
Title: Radar Modernization		-	0.000	80.000
Description: Radar Modernization will resolve critical B-2 radar obsolescence by developing a Signal Translation Unit (STU) and associated LRUs, conducting extensive lab testing to enable the integration of modern, supportable backend processors, and the legacy antenna, ensuring continued fleet readiness and long-term sustainment.				
FY 2026 Plans: Program is a New Start. No funding in FY26				
FY 2027 Plans: Initiate Technology Maturation & Risk Reduction (TMRR) phase. Release Request for Proposal (RFP) and award the contract for STU development and associated LRUs. Conduct Systems Requirements Review (SRR) and Systems Functional Review (SFR) to establish a firm technical baseline.				
FY 2026 to FY 2027 Increase/Decrease Statement: New start in FY27. No funding in FY26.				
Title: B-2 Digital High Frequency (HF) Communications		-	0.000	17.300
Description: B-2 Digital High Frequency (HF) program provides a terrestrial-based resilient and reliable alternative Beyond Line of Sight (BLOS) communication capability in Highly Contested Environments (HCE). This communications pathway does not require satellite constellation networks to work. This capability will increase the B-2 warfighters ability to operate and communicate in HCE which is necessary for high-end operations and provides Combatant Commanders increased command and control flexibility. Funding will enable the rapid integration and fielding of the HF Argus System onto the federated Adaptable				

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 675345 / B-2 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Communication Suite (ACS) as a roll on/off capability. Also, the system is designed to receive advanced HF waveforms for tasking and targeting and demonstrates long range communications. Funds are required for B-2 integration to include lab test, hardware, certification, flight test, and associated supporting activities.					
FY 2026 Plans: This effort was initiated by Congressionally approved spend plan for the Congressional add titled "NC3 Modernization and Golden Dome Initiatives"					
FY 2027 Plans: This is not a FY2027 new start. Development of additional capabilities through further aircraft integration, hardware, software upgrades and testing to include technical data required for permanent TCTO roll on/roll off modification and sustainment planning for version 2.0 EMD efforts.					
FY 2026 to FY 2027 Increase/Decrease Statement: Increase in funding for incremental development approach to transition prototype into EMD effort.					
Accomplishments/Planned Programs Subtotals			36.004	4.359	418.178
			FY 2025	FY 2026	
Congressional Add: Advanced Weapons Integration			0.000	10.000	
FY 2025 Accomplishments: No FY25 funding.					
FY 2026 Plans: Funding will be utilized in the Expanded Strike advanced weapons integration program and to continue the development of a Universal Armament Interface (UAI) type capability that will shorten the integration timeline of advanced weapons with the B-2. The B-2 SPO will use these funds to continue development on the Technology Rapid Integration and Deployment (TRIAD) system and associated weapon modeling.					
Congressional Add: NC3 Modernization and Golden Dome Initiatives			-	50.000	
FY 2026 Plans: 46 million of this Add is for AFGSC/A5N to execute in accordance with the Congressionally approved Spend Plan. The remaining 4 million will increase the weapons carriage capacity of the B-2 bomber and provide redundant & survivable beyond line-of-sight communication systems. The B-2 SPO used this add to start four new programs in accordance with the Congressionally approved spend plan: 1. Modular Rotary Launcher Assembly (MRLA) 2.500 million 2. Digital High Frequency Radio 500 thousand 3. MAGR-2K-M-GPS Receiver with M-Code (MGUE) 500 thousand					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / <i>B-2 Squadrons</i>	Project (Number/Name) 675345 / <i>B-2 Modernization</i>	

	FY 2025	FY 2026
4. Hybrid SATCOM Radio 500 thousand		
Congressional Adds Subtotals	0.000	60.000

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 B00200: <i>B-2A</i>	63.932	78.438	76.641	-	76.641	17.160	13.525	13.797	-	0.000	263.493
• APAF 07 B00200: <i>B-2A</i>	1.885	-	-	-	-	-	-	-	-	0.000	1.885
• APAF 07 B002B0: <i>B-2B</i>	15.709	19.222	16.849	-	16.849	17.199	17.542	17.891	-	0.000	104.412
• APAF 07 000075: <i>Other Production Charges</i>	19.358	19.693	-	-	-	-	-	-	-	0.000	39.051
• OPAF 03 833140: <i>Strategic Command And Control</i>	0.578	0.591	0.612	-	0.612	0.624	0.636	0.648	-	0.000	3.689

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.782	Apr 2025	2.996	Feb 2026	5.971	Jan 2027	-		5.971	Continuing	Continuing	-
B-2 Advanced Communications - Adaptive Communications Suite 4.0	Various	Various : Various	0.000	4.243	Nov 2024	-		-		-		-	0.000	4.243	-
B-2 Advanced Communications - Battlespace Collaborative Combat Communications (B2C3)	Various	Northrop Grumman; various : Various	0.000	14.365	Mar 2025	1.039	Mar 2026	0.900	Jan 2027	-		0.900	0.000	16.304	-
Digital High Frequency Radio (Digital HF)	Various	Various : Various	0.000	-		-		17.300	Dec 2026	-		17.300	0.000	17.300	-
B-2 Display Modernization (BDM)	Various	Northrop Grumman : Various	0.000	6.070	Jan 2025	-		-		-		-	0.000	6.070	-
Modular Rotary Launcher Assembly (MRLA)	Various	Northrop Grumman : Various	0.000	-		-		158.085	Dec 2026	-		158.085	Continuing	Continuing	-
B-2 Training Modernization	Various	Northrop Grumman : Various	0.000	2.544	Feb 2025	0.004	Feb 2026	0.004	Feb 2027	-		0.004	Continuing	Continuing	-
B-2 Military GPS User Equipment (MGUE)	Various	Northrop Grumman : Various	0.000	-		-		11.536	Dec 2026	-		11.536	0.000	11.536	-
Global Lightning / Hybrid SATCOM	Various	Northrop Grumman : Various	0.000	-		-		31.100	Jun 2027	-		31.100	0.000	31.100	-
Radar Modernization	Various	various : Various	0.000	-		-		71.769	Mar 2027	-		71.769	0.000	71.769	-
NC3 Moderinization and Golden Dome Initatives	Various	Various : Various	0.000	-		46.000		-		-		-	0.000	46.000	-
Flight Test (Baseline Support)	Various	Various : Various	0.000	-		-		9.000	Oct 2026	-		9.000	0.000	9.000	-
B-2 Expanded Strike	Various	Various : Various	0.000	-		9.070	Jun 2026	84.522	Dec 2026	-		84.522	0.000	93.592	-
Subtotal			0.000	28.004		59.109		390.187		-		390.187	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 675345 / B-2 Modernization					
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Support	SS/ Various	Northrop Grumman : Various	0.000	0.774	Jan 2025	0.122	Jan 2026	14.790	Oct 2026	0.000		14.790	0.000	15.686	-
Other Governmental Services	Various	Not specified. : TBD	0.000	-		-		2.900	Oct 2026	-		2.900	0.000	2.900	-
Subtotal			0.000	0.774		0.122		17.690		0.000		17.690	0.000	18.586	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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	6.300	Oct 2024	4.591	Oct 2025	8.962	Oct 2026	-		8.962	0.000	19.853	-
PMA	Various	DCS Corporation : Various	0.000	0.926	Oct 2024	0.537	Oct 2025	1.339	Oct 2026	-		1.339	Continuing	Continuing	-
Subtotal			0.000	7.226		5.128		10.301		-		10.301	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	36.004		64.359		418.178		0.000		418.178	Continuing	Continuing	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 2027 Air Force	Date: April 2026

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>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>B-2 Modifications Schedule</i>																												
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)																												
Digital High Frequency Radio (Digital HF)																												
MGUE (Military GPS User Equipment)																												
Global Lightning / Hybrid SATCOM																												
Modular Rotary Launcher Assembly																												
Radar Modernization																												
Flight Test (Baseline Support)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / <i>B-2 Squadrons</i>	Project (Number/Name) 675345 / <i>B-2 Modernization</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>B-2 Modifications Schedule</i>				
Low Observable Signature and Supportability Mods and Trainers	1	2025	4	2031
IFF Mode 5/S EMD Phase	1	2025	2	2025
B-2 Display Modernization (BDM) Displays EMD Phase	1	2025	4	2025
Advanced Communications-Adaptable Communications Suite (ACS 4.0)	1	2025	4	2025
Advanced Communications-B-2 Battlespace Collaborative Combat Communications (B2C3)	1	2025	4	2027
Digital High Frequency Radio (Digital HF)	3	2026	4	2028
MGUE (Military GPS User Equipment)	3	2026	4	2028
Global Lightning / Hybrid SATCOM	3	2026	4	2029
Modular Rotary Launcher Assembly	3	2026	4	2030
Radar Modernization	1	2027	4	2029
Flight Test (Baseline Support)	1	2027	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons				Project (Number/Name) 676021 / BASELINE SUPPORT			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676021: BASELINE SUPPORT	0.000	8.016	7.992	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.008
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 and operational systems integration and flight test.												
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, including range support.												
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 2025	FY 2026	FY 2027	
Title: Baseline Support Flight Test									8.016	7.992	0.000	
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 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 2027 Plans: Baseline Support funding has moved to the Project 675345 (Squadrons)												
FY 2026 to FY 2027 Increase/Decrease Statement: Baseline Support funding has moved to the Project 675345 (Squadrons).												
Accomplishments/Planned Programs Subtotals									8.016	7.992	0.000	
C. Other Program Funding Summary (\$ in Millions)												
N/A												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101127F / B-2 Squadrons	Project (Number/Name) 676021 / BASELINE SUPPORT
C. Other Program Funding Summary (\$ in Millions)		
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	4.357	Jan 2025	5.195	Jan 2026	0.000		-		0.000	0.000	9.552	-
Other Government Costs	Various	Various : Various	0.000	2.533	Oct 2024	2.149	Oct 2025	0.000		-		0.000	0.000	4.682	-
Subtotal			0.000	6.890		7.344		0.000		-		0.000	0.000	14.234	N/A
Remarks The support and other government costs are for flight test support efforts.															
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	C/CPAF	Not specified. : TBD	0.000	0.736	Dec 2024	0.195	Dec 2025	0.000		-		0.000	0.000	0.931	-
PMA	Various	Various : TBD	0.000	0.390	Dec 2024	0.453	Dec 2025	0.000		-		0.000	0.000	0.843	-
Subtotal			0.000	1.126		0.648		0.000		-		0.000	0.000	1.774	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	8.016		7.992		0.000		-		0.000	0.000	16.008	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 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101127F / B-2 Squadrons					676021 / BASELINE SUPPORT			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
B-2 Baseline Support																												
FY 2024 Flight Test Core Support Annual Contract Award																												
FY 2025 Flight Test Core Support Annual Contract Award																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	1	2026
FY 2025 Flight Test Core Support Annual Contract Award	2	2026	2	2027

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

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	PE 0101213F I Minuteman Squadrons											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	57.201	69.110	79.313	0.000	79.313	126.059	129.266	112.665	91.819	Continuing	Continuing
672983: <i>MM Ground and Comm Equipment</i>	0.000	0.000	5.433	4.397	0.000	4.397	0.000	0.000	0.000	0.000	0.000	9.830
672984: <i>MM III Baseline Support</i>	0.000	46.784	42.820	49.751	0.000	49.751	74.059	78.266	78.665	64.819	Continuing	Continuing
672985: <i>MM Support Equip</i>	0.000	10.417	20.857	25.165	0.000	25.165	52.000	51.000	34.000	27.000	0.000	220.439

Note

This program, BA 7, PE 0101213F, project 672985, LGM-30G Fourth Generation Transport Erector (TE4), 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 MM III equipment critical for continued system operations. Program includes flight test unique equipment installed on the missile during flight test, MM III ground test systems, test facilities used to collect, process, and analyze test data, and missile, launch facility, and control center parts and equipment. 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). MM III ground test systems and facilities include LGM-30G Higher Authority Communication Test System (HACTS) 2.0; Little Mountain Test Facility (LMTF); and Depot Reentry Support Equipment Replacement Program (DRSERP). Missile, launch facility, and control center parts and equipment include LGM-30G Stage 1 Battery Replacement (SOBR); Arm/Disarm Switch Replacement (ADSR); and LGM-30G Environmental Control System Replacement (ECS-R). 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, Missile Transporter Acquisition Program (MTAP) and Fourth Generation Transporter Erector (TE4).

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101213F I Minuteman Squadrons				
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 in LGM-30G ICBM Cryptography Upgrade II (ICU II) of remote key/code change and irreversible transformation as mandated in the approved Capabilities Development Document (dated 4 Jan 05) 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 Launch Facilities (LFs) and 45 Launch Control Centers (LCCs). MM III 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. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		59.320	106.032	0.000	0.000	0.000
Current President's Budget		57.201	69.110	79.313	0.000	79.313
Total Adjustments		-2.119	-36.922	79.313	0.000	79.313
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-36.922			
• 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		-2.077	0.000			
• Other Adjustments		-0.042	0.000	79.313	0.000	79.313
Change Summary Explanation						
FY2025 adjustment of -2.077 million for Small Business Innovative Research (SBIR); -.042 million for realignment						
FY2026 adjustment for Congressional reduction of -\$36.922 million for FT3 early to need. An additional -\$1.532 million for SBIR is not reflected in this document.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672983 / MM Ground and Comm Equipment			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672983: MM Ground and Comm Equipment	0.000	0.000	5.433	4.397	0.000	4.397	0.000	0.000	0.000	0.000	0.000	9.830
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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.

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

	FY 2025	FY 2026	FY 2027
Title: LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R)	0.000	5.433	4.397
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.			
FY 2026 Plans: Energy Storage System (ESS): Conduct Critical Design Review (CDR), Test Readiness Review (TRR), and Qualification Testing (QT).			
Support Equipment (SE): Conduct PDR and prepare for CDR.			
FY 2027 Plans: ESS: Functional Configuration Audit (FCA), Physical Configuration Audit (PCA), and Milestone C.			
Support Equipment (SE): Conduct CDR and prepare for TRR.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672983 / <i>MM Ground and Comm Equipment</i>	

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

	FY 2025	FY 2026	FY 2027
Due to the level of MICAPs with the legacy system, great strides are being made to expedite the FRBP schedule. Recent schedule saving initiatives allow for production and fielding activities a year earlier, while still delivering a quality product to the Warfighter.			
The Energy Storage System (ESS) is further along in the engineering process and has been decoupled from the Support Equipment (SE) in the program schedule. ESS EMD to complete 2QFY28 and SE EMD to complete 4QFY29.			
Accomplishments/Planned Programs Subtotals	0.000	5.433	4.397

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• MPAF 03 M30MLG: <i>MM III Modifications</i>	24.212	14.604	9.802	-	9.802	25.991	11.474	0.387	0.395	0.000	86.865
• MPAF 01 00099L: <i>Missile Replacement Eq-Ballistic</i>	37.333	37.282	26.834	-	26.834	47.986	57.987	4.603	4.965	0.000	216.990
• MPAF 04 00098K: <i>Msl Sprs/Repair Parts (Replen)</i>	74.756	71.500	76.693	-	76.693	75.987	54.651	54.533	0.408	0.000	408.528
• MPAF 04 00098A: <i>Msl Sprs/Repair Parts (Initial)</i>	0.000	0.000	0.000	-	0.000	0.914	0.000	0.000	0.000	0.000	0.914

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-		4.211	Mar 2026	3.496	Sep 2027	-		3.496	0.000	7.707	-
Subtotal			0.000	-		4.211		3.496		-		3.496	0.000	7.707	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) Test & Evaluation	PO	LDTO : Arnold AFB	0.000	-		0.206	May 2026	0.071	Feb 2028	-		0.071	0.000	0.277	0.000
Subtotal			0.000	-		0.206		0.071		-		0.071	0.000	0.277	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) A&AS	C/FP	BAE : Layton, UT	0.000	-		0.669	Jan 2026	0.551	Sep 2027	-		0.551	0.000	1.220	-
LGM-30G Fast Rising B-Plug Energy Storage System-Replacement (FRBP ESS-R) PSC	Various	Various : Various	0.000	-		0.347	Oct 2025	0.279	Jan 2027	-		0.279	0.000	0.626	0.000
Subtotal			0.000	-		1.016		0.830		-		0.830	0.000	1.846	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons					Project (Number/Name) 672983 / MM Ground and Comm Equipment			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-		5.433		4.397		-		4.397	0.000	9.830	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0101213F / Minuteman Squadrons					672983 / MM Ground and Comm Equipment									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MM Ground and Comm Equipment																												
FRBP ESS-R Engineering & Manufacturing Development Phase																												
FRBP ESS-R Milestone C (3QFY27)																												
FRBP ESS-R Production Phase																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2029
FRBP ESS-R Milestone C (3QFY27)	3	2027	3	2027
FRBP ESS-R Production Phase	4	2027	4	2030

Note
Overlap between EMD and Production: Energy Storage System (ESS) Cabinet is further along in EMD than the Support Equipment (SE). ESS Cabinet will achieve MS-C in 3QFY27, with LRIP award forecasted 4QFY27. The SE will continue through development, completing EMD 4QFY29.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672984: MM III Baseline Support	0.000	46.784	42.820	49.751	0.000	49.751	74.059	78.266	78.665	64.819	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 Stage 1 Battery Replacement (SOBR), LGM-30G Little Mountain Test Facility (LMTF), LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP), and Arm/Disarm Switch Replacement (ADSR). 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.

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 2025	FY 2026	FY 2027
Title: Little Mountain Test Facility (LMTF)	0.000	0.000	5.690
Description: 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 War (DoW) and Department of Energy (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.			
FY 2026 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
N/A					
FY 2027 Plans: LMTF is not an FY2027 new start. FY2026 and prior efforts were previously funding in ADSR, FT3 and MTAP. FY2027 efforts will continue the development of additional test capability for current and future nuclear enterprise. LMTF Large Flash X-Ray (LFXR) customers require upgraded capabilities with the Advanced Radiation Environment Simulator (ARES) test system. Program office will begin to execute other government costs in support of ARES design and risk reduction efforts prior to contract award.					
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased to begin work on the design and strategies for schedule and subcontractor options. Staffing will increase in FY27. Prime contractor will start to award contracts.					
Title: Stage 1 Battery Replacement (SOBR) 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. FY 2026 Plans: - Conduct Preliminary Design Review (PDR) - Conduct requirements review, initial design concept, and engineering analysis FY 2027 Plans: - Critical Design Review (CDR) - Technical Readiness Review (TRR) - Begin Qual Testing FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to multiple contractors design efforts and increasing material prices.			3.060	8.556	15.275
Title: LGM-30G Flight Test Telemetry and Termination System (FT3) 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.			19.749	16.865	3.938

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
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. 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. The FT3 program consistently ensures FT3 systems are operational and ready for launch, resulting in 10 successful Air Force Global Strike Command (AFGSC) Minuteman III (MMIII) Operational Test Launch (OTL) missions to date. FY 2026 Plans: - Close out redesign/requalification engineering activities and obtain critical engineering data approval FY 2027 Plans: - Continue to close out redesign/requalification engineering activities and obtain critical engineering data approval - Start to close out the contract FY 2026 to FY 2027 Increase/Decrease Statement: Funding will decrease due to end of contract period of performance.			
Title: LGM-30G Higher Authority Communication Test System (HACTS) 2.0 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 units. FY 2026 Plans:		0.000	2.086
			5.608

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- Conduct Critical Design Review (CDR) - Complete five site visits to ensure compatibility with legacy HACTS (1.0) to inform design of next generation (2.0) - Begin assembly of 2 EMD units (without EMD circuit card assemblies) - Generate Software Development Test (SDT) and Systems Integration Test (SIT) test plans and procedures FY 2027 Plans: - Continue System Integration Test (SIT) - Conduct Test Readiness Review (TRR) - Conduct Functional Configuration Audit / Physical Configuration Audit (FCA/PCA) - Milestone C 4QFY2027 FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase to address ECO and mitigate identified risk in FY2027.				
Title: LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) 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). DRSERP is being executed in 4 phases: Phase 1 Mk12A, Phase 2 Service STAR, Phase 3 Mk21A, Phase 4 Radar FY 2026 Plans: - Conduct Mk12A Versatile Diagnostic Automatic Test Station (VDATS) hardware Preliminary Design Review (PDR) (Aug 2026) to meet design requirements - Purchase hardware for MK12A VDATS hardware FY 2027 Plans: - Conduct Mk12A TPS PDR (Jun 2027) - Conduct Mk12A VDATS Hardware CDR (Nov 2026) - Award Service STAR TPS/VDATS contract FY 2026 to FY 2027 Increase/Decrease Statement: Funding increases due to initiation of Service STAR test set to run concurrent with Mk12A.		16.523	6.837	16.742
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		0.000	3.476	1.669

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>		Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
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. 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 FY28 (unmitigated)/ FY33 (mitigated) 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 system end of life. EMD extended to re-execute qualification testing. FY 2026 Plans: Conduct qualification testing to finalize development effort. FY 2027 Plans: Continue qualification testing to finalize development effort. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease due to anticipation of successful qualification testing.					
Title: LGM-30G Baseline Support 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. FY 2026 Plans: • Conduct studies of system performance. • Conduct cost trades and acquisition planning activities, up to and including proposal preparation, technology for future capabilities. FY 2027 Plans: - 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 - Conduct Subsystem Critical Design Reviews - Conduct System-level Critical Design Review - Conduct Stress Testing - EMD Contract Award FY 2026 to FY 2027 Increase/Decrease Statement:			7.452	5.000	0.829

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Funding decrease due to ramp down in work for systems engineering and test activities.			
Accomplishments/Planned Programs Subtotals	46.784	42.820	49.751

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• MPAF 03 M30MLG: <i>MM III Modifications</i>	24.212	14.604	9.802	-	9.802	25.991	11.474	0.387	0.395	0.000	86.865
• MPAF 01 00099L: <i>Missile Replacement Eq-Ballistic</i>	37.333	37.282	26.834	-	26.834	47.986	57.967	4.603	4.695	0.000	216.700
• MPAF 04 00098K: <i>Msl Sprs/Repair Parts (Replen)</i>	74.756	71.500	76.693	-	76.693	75.987	54.651	54.533	0.408	0.000	408.528
• MPAF 04 00098A: <i>Msl Sprs/Repair Parts (Initial)</i>	0.000	0.000	0.000	-	0.000	914.000	0.000	0.000	0.000	0.000	914.000

Remarks

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 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	1.964	Jan 2026	5.089	May 2026	11.721	Jun 2027	-		11.721	0.000	18.774	-
LGM-30G Flight Test Telemetry and Termination System (FT3) TMRR/EMD	C/CPIF	Boeing : Clearfield, UT	0.000	17.760	Mar 2025	16.228	Aug 2026	3.938	Oct 2026	-		3.938	0.000	37.926	387.071
LGM-30G Higher Authority Command Test System (HACTS) 2.0	SS/CPIF	General Dynamics : Dedham, MA	0.000	-		1.058	Mar 2026	4.180	Nov 2026	-		4.180	Continuing	Continuing	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) Mk12A VDATS Hardware	MIPR	AFLCMC/ROA : Warner Robins AFB, GA	0.000	11.947	Sep 2025	2.273	Jan 2026	0.524	Jul 2027	-		0.524	Continuing	Continuing	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) Mk12A TPS	PO	402nd/581st SWES : Hill AFB, UT	0.000	2.732	Jul 2025	3.041	Jan 2026	5.618	May 2027	-		5.618	0.000	11.391	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) Service STAR VDATS Hardware	MIPR	AFLCMC/ROA : Warner Robins AFB, GA	0.000	-		-		4.425	Mar 2027	-		4.425	0.000	4.425	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) Service STAR TPS	PO	402nd/581st SWES : Hill AFB, UT	0.000	-		-		3.830	Mar 2027	-		3.830	0.000	3.830	-
LGM-30G Little Mountain Test Facility (LMTF)	C/TBD	TBD : Clearfield, UT	0.000	0.000	Dec 2025	0.000	Dec 2025	5.690	Apr 2027	-		5.690	Continuing	Continuing	-
LGM-30G Arm DisarmSwitch Replacement(ADSR)	C/CPFF	EBAD : Moorpark, CA	0.000	-		3.126	Aug 2026	1.536	Oct 2026	-		1.536	0.000	4.662	12.190
Subtotal			0.000	34.403		30.815		41.462		-		41.462	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Stage 1 Battery (SOBR) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	-		0.164	Jun 2026	0.912	Oct 2026	-		0.912	0.000	1.076	-
LGM-30G Flight Test Telemetry and Termination System (FT3) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	0.200	Feb 2025	0.060	Nov 2025	-		-		-	0.000	0.260	-
LGM-30G Baseline Support Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	0.200	Mar 2025	0.200	Mar 2026	-		-		-	0.000	0.400	-
LGM-30G Higher Authority Command Test System (HACTS) Lead Developmental Test Organization	MIPR	AEDC/TST : AAFB, TN	0.000	-		0.000	Nov 2025	0.006	Nov 2026	-		0.006	0.000	0.006	-
Subtotal			0.000	0.400		0.424		0.918		-		0.918	0.000	1.742	N/A

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Flight Test Telemetry and Termination System (FT3) PSC	Various	Various : Various	0.000	0.189	Sep 2025	0.577	Jan 2026	-		-		-	0.000	0.766	-
LGM-30G Stage 1 Battery (SOBR) A&AS	C/FFP	Various : Clearfield, UT	0.000	0.210	Jun 2025	1.070	Jun 2026	1.096	Jul 2027	-		1.096	Continuing	Continuing	-
LGM-30G Stage 1 Battery (SOBR) PSC	C/CPAF	Various : Various	0.000	0.886	Mar 2025	2.233	Mar 2026	1.546	Mar 2027	-		1.546	0.000	4.665	-
LGM-30G Flight Test Telemetry and Termination System (FT3) A&AS	C/FFP	Various : Clearfield, UT	0.000	1.600	Feb 2025	-		-		-		-	0.000	1.600	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672984 / MM III Baseline Support					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) PSC	C/CPAF	Various : Various	0.000	0.480	Mar 2025	1.368	Apr 2026	1.971	Mar 2027	-		1.971	0.000	3.819	-
LGM-30G Depot Reentry Support Equipment Replacement Program (DRSERP) A&AS	C/FFP	Various : Clearfield, UT	0.000	1.364	May 2025	0.155	Jun 2026	0.374	Jun 2027	-		0.374	Continuing	Continuing	-
LGM-30G Higher Authority Command Test System (HACTS) 2.0 A&AS	C/FFP	Various : Clearfiled, UT	0.000	-		0.304	Apr 2026	0.619	Jan 2027	-		0.619	0.000	0.923	-
LGM-30G Higher Authority Command Test System (HACTS) 2.0 PSC	C/CPAF	Various : Various	0.000	-		0.724	Jul 2026	0.803	Nov 2026	-		0.803	0.000	1.527	-
LGM-30G Baseline Support PSC	C/CPAF	Various : Various	0.000	7.052	Jan 2025	4.600	Jan 2026	0.829	Jan 2027	-		0.829	0.000	12.481	-
LGM-30G Baseline Support A&AS	C/CPFF	Various : Clearfield, UT	0.000	0.200	Mar 2025	0.200	Mar 2026	-		-		-	0.000	0.400	-
LGM-30 G Arm Disarm Switch Replacement (ADSR) PSC	C/CPAF	Various : Various	0.000	-		0.350	Apr 2026	0.133	Mar 2027	-		0.133	0.000	0.483	-
Subtotal			0.000	11.981		11.581		7.371		-		7.371	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	46.784		42.820		49.751		-		49.751	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>		Project (Number/Name) 672984 / <i>MM III Baseline Support</i>	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MM III Baseline Support																												
FT3 Engineering and Manufacturing Development (EMD) Phase																												
FT3 Production and Deployment (P&D) Phase																												
HACTS 2.0 Engineering and Manfuacturing Development (EMD) Phase																												
HACTS 2.0 Production and Deployment Phase (Sept 2027)																												
HACTS 2.0 Milestone C																												
SOBR Milestone B (Aug 2026)																												
SOBR EMD Phase (Sep 2025)																												
SOBR Milestone C (Aug 2028)																												
DRSERP Mk12A Milestone B (Jul 2025)																												
DRSERP Service STAR Milestone B (Aug 2026)																												
DRSERP Mk12A TPS (Jul 2025)																												
DRSERP Service Start TPS (Apr 2027)																												
ADSR Engineering and Manufacturing Development (EMD) Phase																												
ADSR Milestone C (Aug 2027)																												
ADSR Production and Deployment (P&D) Phase																												
LMTF Contract Award (April 2027)																												
LMTF PDR																												
LMTF CDR																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																				Date: April 2026																	
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons								Project (Number/Name) 672984 / MM III Baseline Support																			
										FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
LMTF Integration & Assembly																																					

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 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	2025	1	2027
FT3 Production and Deployment (P&D) Phase	1	2025	3	2026
HACTS 2.0 Engineering and Manufacturing Development (EMD) Phase	1	2025	4	2027
HACTS 2.0 Production and Deployment Phase (Sept 2027)	4	2027	2	2030
HACTS 2.0 Milestone C	4	2027	4	2027
SOBR Milestone B (Aug 2026)	4	2026	4	2026
SOBR EMD Phase (Sep 2025)	4	2025	1	2029
SOBR Milestone C (Aug 2028)	4	2028	4	2028
DRSERP Mk12A Milestone B (Jul 2025)	4	2025	4	2025
DRSERP Service STAR Milestone B (Aug 2026)	4	2026	4	2026
DRSERP Mk12A TPS (Jul 2025)	4	2025	4	2031
DRSERP Service Start TPS (Apr 2027)	3	2027	4	2031
ADSR Engineering and Manufacturing Development (EMD) Phase	1	2025	4	2027
ADSR Milestone C (Aug 2027)	4	2027	4	2027
ADSR Production and Deployment (P&D) Phase	4	2027	3	2030
LMTF Contract Award (April 2027)	3	2027	3	2027
LMTF PDR	2	2028	2	2029
LMTF CDR	2	2029	4	2031
LMTF Integration & Assembly	4	2031	4	2031

Note

FT3 Program:

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672984 / MM III Baseline Support
• FT3 Acquisition Strategy drives an overlap in the EMD and P&D phases. The order of replenishment spares overlaps with EMD to deliver spares at a rate that keeps pace with consumption. • Redesign and Requalification efforts extends the period of performance through 1QFY2027. • P&D Phase will end when the first full rate production unit is flown and P&D exit criteria are met (2QFY2026). • 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. • On contract 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 Sep 2024. • HACTS 2.0 production to begin 4QFY2027		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672985: MM Support Equip	0.000	10.417	20.857	25.165	0.000	25.165	52.000	51.000	34.000	27.000	0.000	220.439
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0101213F, project 672985, LGM-30G Fourth Generation Transport Erector (TE4), is a new start.

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), 2nd Gen PSRE Transport Trailer (PTT2), 4th Gen Rocket Motor Semi-Trailer (RMS4), Missile Transporter Acquisition Procurement (MTAP), and Fourth Generation Transporter Erector (TE4) 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.

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

	FY 2025	FY 2026	FY 2027
Title: LGM-30G MM III Missile Transporter Acquisitions Program (MTAP)	6.266	12.464	21.429
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 2026 Plans: - TDP updates - System Requirements Review (SRR) - System Functional Review (SFR) - Sub Contractor(s) Preliminary Design Review (PDR)			
FY 2027 Plans: - Prime Contractor PDR - Sub Contractor(s) CDR - Prime Contractor CDR			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672985 / MM Support Equip		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Ramp up in development and initiation of testing.				
Title: MATH 2nd Generation Propulsion System Rocket Engine Transport Trailer Program (PTT2) Description: The MATH subprogram PTT2 ensures equipment levels are sufficient to sustain the MM III weapon 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. Due to obsolescence and TDP issues on the current PTT system, a new design is required to support the acquisition of MM III T&H equipment. The PTT2 program will acquire Propulsion System Rocket Engine (PSRE) Tractors and 2nd Generation PSRE Transport Trailers (PTTs). The PSRE Tractor and PTT are used to transport the PSREs between the depot and Missile Wings. End items include the following: A. PTT2 B. PSRE Tractor This effort was captured within the MATH program in the FY 2026 R-doc. FY 2026 Plans: MDA approval of Acquisition Strategy and continue RFP development. FY 2027 Plans: RFP Release, Source Selection, Milestone B approval. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease is due to change in acquisition strategy.		2.076	4.196	0.292
Title: MATH Rocket Motor Semitrailer Program (RMS4) Description: The MATH subprogram, RMS4 ensures equipment levels are sufficient to sustain the MM III weapon 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. Due to obsolescence and TDP issues on the current RMS systems, a new design is required to support the acquisition of MM III T&H equipment. Fourth Generation - Rocket Motor Semi-trailer (RMS4) Program Description: The RMS4 program will acquire 4th Generation Rocket Motor Semi-trailers (RMSs). Used to transport the individual stages at Hill AFB and to the Utah Test and Training Range. This effort was captured within the MATH Program in the FY26PB R-doc.		2.075	4.197	3.144

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip			
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
FY 2026 Plans: MDA approval of Acquisition Strategy and continue RFP development.												
FY 2027 Plans: - RFP Release, Source Selection, Milestone B approval - 4QFY27 contract award - System Requirements Review / System Functional Review												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decrease is due to change in acquisition strategy.												
Title: LGM-30G Fourth Generation Transport Erector (TE4)										-	0.000	0.300
Description: The TE4 effort addresses long-term supportability of the third generation Transporter Erector tractors procured through the Transporter Erector Replacement Program and subsequently configured with second generation Transporter Erector trailers procured 1988-1993. This modernization effort implements a rear-steer capability, upgrades the hoisting and actuator design, and produces a new Technical Data Package. TE4 ensures availability to support MM III through end of life and transition to Sentinel.												
FY 2026 Plans: N/A												
FY 2027 Plans: -Obtain MDA approval of Acquisition Strategy -Release Request for Proposal												
FY 2026 to FY 2027 Increase/Decrease Statement: New Start for FY2027.												
Accomplishments/Planned Programs Subtotals										10.417	20.857	25.165
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• MPAF 01 00099L: Missile Replacement Eq-Ballistic	37.333	37.282	26.834	-	26.834	47.986	57.967	4.603	4.695	0.000	216.700	
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons	Project (Number/Name) 672985 / MM Support Equip

D. Acquisition Strategy

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MM III Missile Transporter Acquisition Procurement (MTAP)	C/CPFF	NG : Clearfield, UT	0.000	5.191	Dec 2025	10.997	Jun 2026	19.425	Dec 2026	-		19.425	0.000	35.613	-
MATH Rocket Motor Semitrailer Program (RMS4)	C/CPAF	TBD : TBD	0.000	-		-		2.386	Jul 2027	-		2.386	0.000	2.386	-
MATH Propulsion System Rocket Engine Transport Trailer Program (PTT2)	C/CPFF	TBD : TBD	0.000	-		-		-		-		-	0.000	0.000	-
Fourth Generation Transport Erector (TE4)	C/CPFF	TBD : TBD	0.000	-		-		-		-		-	0.000	0.000	-
Subtotal			0.000	5.191		10.997		21.811		-		21.811	0.000	37.999	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MATH Rocket Motor Semitrailer Program (RMS4)	Various	Not specified. : TBD	0.000	1.682	Sep 2026	3.611	Sep 2027	-		-		-	0.000	5.293	-
MATH Propulsion System Rocket Engine Transport Trailer Program (PTT2)	Various	Not specified. : TBD	0.000	1.682	Sep 2026	3.610	Sep 2027	-		-		-	0.000	5.292	-
Fourth Generation Transport Erector (TE4)	Various	Not specified. : TBD	0.000	-		-		-		-		-	0.000	0.000	-
Subtotal			0.000	3.364		7.221		-		-		-	0.000	10.585	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MATH Rocket Motor Semitrailer Program (RMS4)	C/CPAF	Not specified. : TBD	0.000	-		-		0.021	Jul 2027	-		0.021	0.000	0.021	-
MM III Missile Transporter Acquisition Procurement MTAP	PO	LDTO : HILL AFB, UT	0.000	0.030	Jun 2025	0.049	Mar 2026	0.081	Jul 2027	-		0.081	0.000	0.160	-
Subtotal			0.000	0.030		0.049		0.102		-		0.102	0.000	0.181	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MM III Missile Transporter Acquisition Procurement MTAP A&AS	C/FFP	BAE : Hill AFB, UT	0.000	0.450	Jun 2025	0.819	Jan 2026	0.590	Jan 2027	-		0.590	0.000	1.859	-
MM III Missile Transporter Acquisition Procurement MTAP PSC	Various	Various : Various	0.000	0.376	Mar 2025	0.599	Jan 2026	1.333	Jan 2027	-		1.333	0.000	2.308	-
MATH Rocket Motor Semitrailer Program (RMS4) PSC	Various	Various : Various	0.000	0.136	Mar 2025	0.252	Feb 2026	0.171	Jan 2027	-		0.171	0.000	0.559	-
MATH Rocket Motor Semitrailer Program (RMS4) A&AS	C/FFP	BAE : Hill AFB, UT	0.000	0.367	Jan 2025	0.334	Jul 2026	0.566	Jan 2027	-		0.566	0.000	1.267	-
MATH Propulsion System Rocket Engine Transport Trailer Program (PTT2) A&AS	C/FFP	BAE : Hill AFB, UT	0.000	0.367	Jan 2025	0.334	Jul 2026	0.292	Jun 2027	-		0.292	0.000	0.993	-
MATH Propulsion System Rocket Engine Transport Trailer Program (PTT2) PSC	Various	Various : Various	0.000	0.136	Mar 2025	0.252	Feb 2026	0.000	Jan 2027	-		0.000	0.000	0.388	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101213F / Minuteman Squadrons				Project (Number/Name) 672985 / MM Support Equip					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Fourth Generation Transport Erector (TE4) A&AS	C/FFP	BAE : Hill AFB, UT	0.000	-		-		0.300	Jan 2027	-		0.300	0.000	0.300	-
Subtotal			0.000	1.832		2.590		3.252		-		3.252	0.000	7.674	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	10.417		20.857		25.165		-		25.165	0.000	56.439	N/A
Remarks															
MTAP: EMD award December 2025. EMD phase 53 months															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672985 / <i>MM Support Equip</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MM Support Equipment																												
MATH: PTT2 EMD Phase (2QFY28 - 2QFY32)																												
MATH: PTT2 Milestone B (Jan 2028)																												
MATH: PTT2 Milestone C (Jan 2032)																												
MATH: PTT2 P&D Phase (2QFY32 - 2QFY34)																												
MATH: RMS4 EMD Phase																												
MATH: RMS4 Milestone B (Feb 2027)																												
MATH: RMS4 Milestone C (3QFY31)																												
MATH: RMS4 P&D Phase (3QFY31 - 3QFY36)																												
MTAP EMD Phase																												
MTAP Milestone B (Sept 2025)																												
MTAP Milestone C (4QFY29)																												
MTAP P&D Phase (4QFY29 - 2QFY37)																												
TE4 Milestone B (3QTR 2027)																												
TE4 EMD Phase (4QTR 2027 - 1QTR 2034)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101213F / <i>Minuteman Squadrons</i>	Project (Number/Name) 672985 / <i>MM Support Equip</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MM Support Equipment</i>				
MATH: PTT2 EMD Phase (2QFY28 - 2QFY32)	2	2028	2	2031
MATH: PTT2 Milestone B (Jan 2028)	2	2028	2	2028
MATH: PTT2 Milestone C (Jan 2032)	2	2031	2	2031
MATH: PTT2 P&D Phase (2QFY32 - 2QFY34)	2	2031	4	2031
MATH: RMS4 EMD Phase	4	2027	3	2031
MATH: RMS4 Milestone B (Feb 2027)	2	2027	2	2027
MATH: RMS4 Milestone C (3QFY31)	3	2031	3	2031
MATH: RMS4 P&D Phase (3QFY31 - 3QFY36)	3	2031	4	2031
MTAP EMD Phase	2	2026	4	2029
MTAP Milestone B (Sept 2025)	4	2025	4	2025
MTAP Milestone C (4QFY29)	4	2029	4	2029
MTAP P&D Phase (4QFY29 - 2QFY37)	4	2029	4	2031
TE4 Milestone B (3QTR 2027)	3	2027	3	2027
TE4 EMD Phase (4QTR 2027 - 1QTR 2034)	4	2027	4	2031

Note

MATH Program:

- Updates made to reflect separation of PTT2 and RMS4 efforts and rebaseline of EMD start. After determining in 3QFY25 that award to the Sole Source contractor was not in the best interest of the Government, the program is returning to market research. Due to need date adjustment, acquiring the PTT2 and RMS4 trailers separately and delaying EMD start for RMS4 to 4QFY27 and PTT2 to 2QFY28 will best support the MM III weapon system necessary equipment levels.
- RMS4 Contract award anticipated in 4QFY27
- PTT2 Contract award anticipated in 2QFY28

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101316F I Worldwide Joint Strategic Communications							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	13.268	13.364	44.424	0.000	44.424	81.270	75.670	70.300	56.000	0.000	354.296
671820: Strategic Automated Command and Control System	0.000	13.268	13.364	44.424	0.000	44.424	81.270	75.670	70.300	56.000	0.000	354.296
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 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 leveraging the Software Acquisition Pathway (SWP) to modernize its architecture through an agile and iterative approach. Key efforts include transitioning from Time-Division Multiplexing (TDM) to Internet Protocol (IP), implementing robust monitoring and security for the new network, and supporting the Sentinel fielding plans.

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

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101316F I Worldwide Joint Strategic Communications				
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		13.690	24.081	0.000	0.000	0.000
Current President's Budget		13.268	13.364	44.424	0.000	44.424
Total Adjustments		-0.422	-10.717	44.424	0.000	44.424
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-10.571			
• 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		-0.422	-0.146			
• Other Adjustments		0.000	0.000	44.424	0.000	44.424
Change Summary Explanation						
FY25: SBIR Base Reduction (-0.422 million)						
FY26: SBIR/STTR Reduction (-0.146 million) // Congressional Reduction (-10.571M) comprised of -6.0 million for SACC-R early to need and -4.571 million for program carry over.						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: SACCS Replacement				13.268	13.364	44.424
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 2026 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0101316F <i>I Worldwide Joint Strategic Communications</i>		
C. Accomplishments/Planned Programs (\$ in Millions) Continue development of on-going capabilities and begin development of additional modernization capabilities. Each capability may result in competitive industry contract. - Completed Acquisition Strategy Panel (ASP) and received signed Acquisition Decision Memo (ADM). - 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. - Release Request for Proposal and begin evaluation of proposals FY 2027 Plans: - Continue development on NOC/SOC black side monitoring and management - Begin development on NOC/SOC red side monitoring and management - Software Application work with quarterly iterative deliveries planned to begin Q3 FY2027 (development to capability drops) - Complete Source Selection and Contract Award for Indefinite Delivery/Indefinite Quantity (IDIQ) contract - Begin Development of program Digital Engineering Environment to integrate with greater Air Force modeling and Digital engineering goals - Continue development of network architecture will be established to prevent against cyber vulnerabilities in our strategic messaging system (modernize network nodes) - Define relevant interfaces with external mission partners (i.e. Sentinel) - Continue design efforts to facilitate Sentinel implementation - Continue ATO development and updates to support and implement Risk Management Framework policies and procedures - Identify and procure Commercial-Off-The-Shelf (COTS) and Government-Off-The-Shelf (GOTS) hardware to support software needs. - Work to integrate 595th organic design solutions and development work with new IDIQ contractor, transfer to GFE/GFI, and work with AFGSC to ensure prioritized requirements are in work FY 2026 to FY 2027 Increase/Decrease Statement: A funding level increase from FY26 to FY2027 is supporting critical advancements in strategic communications capabilities vital to national security. This funding enables a comprehensive acquisition, design, and development effort encompassing accelerated quarterly incremental capability deliveries, fulfilling prioritized Air Force Global Strike Command (AFGSC) requirements as outlined in Requirement Definition Packages (RDPs) while incorporating robust cyber resiliency measures. A significant portion supports		FY 2025	FY 2026	FY 2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0101316F / <i>Worldwide Joint Strategic Communications</i>			
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
the critical acquisition of a replacement system for the legacy Worldwide Joint Strategic Communications (SACCS) program, a mandatory measure ensuring continued secure and reliable strategic communications capabilities prior to the integration of the Sentinel system. This replacement will be achieved through an efficient IDIQ contract vehicle, awarded in Q2 FY2027, enabling flexible procurement and competitive pricing. Furthermore, the funding supports robust lifecycle management planning, ensuring long-term sustainability, and provides essential engineering and project management services for successful program execution.				
Accomplishments/Planned Programs Subtotals		13.268	13.364	44.424
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy Programmed funds continue to support Technology Maturation and Risk Reduction (TMRR) efforts. Organic resources are being utilized for the ongoing TMRR efforts. The IS-ICD is complete with AFGSC/A5 coordinating associated Requirements Definition Packages (RDPs). Following the Acquisition Strategy Panel (ASP) on March 4, 2026, the program has adopted the Software Acquisition Pathway. The pending Acquisition Decision Memorandum (ADM) signature will authorize the program to officially enter the planning phase. Continued organic development and contract award is expected in FY27.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101316F / <i>Worldwide Joint Strategic Communications</i>				Project (Number/Name) 671820 / <i>Strategic Automated Command and Control System</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Prime Contract Development	Various	Various : Various	-	0.501	Oct 2024	0.240	Apr 2026	29.490	Mar 2027	-		29.490	0.000	30.231	0.000
Subtotal			-	0.501		0.240		29.490		-		29.490	0.000	30.231	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Engineering Development	Various	Various : Various	-	1.095	Nov 2024	4.000	May 2026	4.400	Apr 2027	-		4.400	0.000	9.495	0.000
Subtotal			-	1.095		4.000		4.400		-		4.400	0.000	9.495	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Development Test & Evaluation	Various	Various : Various	-	1.121	Nov 2024	0.920	Dec 2025	1.055	Nov 2026	-		1.055	0.000	3.096	0.000
Subtotal			-	1.121		0.920		1.055		-		1.055	0.000	3.096	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SACCS-R Other Program Support Costs (PSC)	Various	Various : Various	-	2.223	Nov 2024	2.204	Oct 2025	2.430	Dec 2026	-		2.430	0.000	6.857	0.000
SACCS-R Civilian Pay Expenses	RO	AFNWC : Kirtland AFB, NM	-	-		1.381	Mar 2026	2.762	Oct 2026	-		2.762	Continuing	Continuing	-
SACCS-R Integration Support	C/FFP	BAE Systems, Inc. : Hill AFB, UT	-	8.328	Nov 2024	4.619	Nov 2025	4.287	Dec 2026	-		4.287	0.000	17.234	-
Subtotal			-	10.551		8.204		9.479		-		9.479	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101316F / Worldwide Joint Strategic Communications					Project (Number/Name) 671820 / Strategic Automated Command and Control System					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	13.268		13.364		44.424		-		44.424	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0101316F / Worldwide Joint Strategic Communications					671820 / Strategic Automated Command and Control System			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Strategic Automated Command and Control System																												
SACCS-R Technology Maturation/Risk Reduction																												
SACCS-R SWP Planning Phase																												
SACCS-R SWP Execution Phase																												
Organic NOC/SOC (Black Side)																												
Organic NOC/SOC (Red Side)																												
Organic Software																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101316F / <i>Worldwide Joint Strategic Communications</i>	Project (Number/Name) 671820 / <i>Strategic Automated Command and Control System</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Strategic Automated Command and Control System</i>				
SACCS-R Technology Maturation/Risk Reduction	1	2025	2	2026
SACCS-R SWP Planning Phase	3	2026	2	2027
SACCS-R SWP Execution Phase	3	2027	4	2031
Organic NOC/SOC (Black Side)	1	2025	4	2027
Organic NOC/SOC (Red Side)	3	2026	2	2029
Organic Software	1	2025	4	2031

Note

SACCS-R Program replanned to deliver capability incrementally each year.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101318F I Service Support to STRATCOM - Global Strike							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	7.062	6.833	56.203	0.000	56.203	7.356	7.495	7.638	7.793	Continuing	Continuing
675368: Global Data Integration (GDI)	0.000	7.062	6.833	56.203	0.000	56.203	7.356	7.495	7.638	7.793	Continuing	Continuing
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 War, 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. Re-purposing 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 Domain 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 and fusion 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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		7.330	6.928	0.000	0.000	0.000
Current President's Budget		7.062	6.833	56.203	0.000	56.203
Total Adjustments		-0.268	-0.095	56.203	0.000	56.203
• 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		-0.268	-0.095	56.203	0.000	56.203
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Radar, Sensor, Technical Intelligence [TI], and Allied Systems				0.620	0.500	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 2026 Plans: - Continued net-centric exposure and integration of numerous Foreign sensor systems, with particular focus on INDOPACOM and EUCOM AORs.						
FY 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0101318F / <i>Service Support to STRATCOM - Global Strike</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continued net-centric exposure and integration of numerous foreign sensor systems, particular focus on INDOPACOM, EUCOM and CENTCOM AORs.				
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 2026 Plans: - Continued 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 2027 Plans: - Continued 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 to FY 2027 Increase/Decrease Statement: The \$49.4M increase is attributed to expanded program levels of effort.		6.442	6.333	55.703
Accomplishments/Planned Programs Subtotals		7.062	6.833	56.203
D. Other Program Funding Summary (\$ in Millions) N/A 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	1.380	Aug 2025	3.163	Aug 2026	19.089	Jan 2027	-		19.089	Continuing	Continuing	85.639
GDI FEAST	Various	SciTec : Various	-	0.115	Aug 2025	0.115	Aug 2026	9.480	Jan 2027	-		9.480	Continuing	Continuing	24.680
GDI ACE-M	Various	Various : Offutt AFB, NE	-	3.016	Jul 2025	2.555	Jul 2026	26.834	Jan 2027	-		26.834	Continuing	Continuing	84.346
GD DI	Various	MIT/LL : Various	-	1.931	Oct 2025	0.500	Oct 2026	0.300	Jun 2027	-		0.300	Continuing	Continuing	6.550
Radar, Sensor, Technical Intelligence [TI], and Allied Systems	Various	Various : Various	-	0.620	Nov 2025	0.500	Nov 2026	0.500	Jun 2027	-		0.500	Continuing	Continuing	2.071
Subtotal			-	7.062		6.833		56.203		-		56.203	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.062		6.833		56.203		-		56.203	Continuing	Continuing	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, EUCOM and CENTCOM AORs. Timelines and sensor prioritization are notional, based on emerging Warfighter priorities.															

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0101318F / Service Support to STRAT
COM - Global Strike

Project (Number/Name)

675368 / Global Data Integration (GDI)

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DATABAHN																												
Field and accredit redundant dedicated CDS																												
New Sensor Integration (ongoing)																												
Develop and deploy high-availability multi-nodal mesh system with additional dedicated networks																												
FEAST																												
Integration of additional TS/SCI data sources and algorithms ISO air and sub-surface domains																												
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																												
Develop and field dynamic change detection of threats to ALCM routes																												
DI																												
R&D Proof of Concept																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																				Date: April 2026								
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101318F / Service Support to STRAT COM - Global Strike										Project (Number/Name) 675368 / Global Data Integration (GDI)								
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Radar, 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 2027 Air Force			Date: April 2026
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
DATABAHN				
Field and accredit redundant dedicated CDS	1	2025	3	2028
New Sensor Integration (ongoing)	1	2025	4	2030
Develop and deploy high-availability multi-nodal mesh system with additional dedicated networks	1	2027	4	2028
FEAST				
Integration of additional TS/SCI data sources and algorithms ISO air and sub-surface domains	1	2025	4	2028
Transition capability to partner for sustainment	1	2025	4	2028
ACE-M				
Continue to develop and integrate Data-as-a-Service and Analytics-as-a-Service capabilities	1	2025	1	2028
Expand implementation of D-DIL/EMCON environment support	1	2025	1	2028
Integration of Data and Analytics in support of NC3 next-gen	1	2025	2	2028
Transition capability to partner for sustainment	4	2026	4	2028
Develop and field dynamic change detection of threats to ALCM routes	1	2027	4	2028
DI				
R&D Proof of Concept	1	2025	4	2030
Radar, Sensor, Technical Intelligence [TI] and Allied Systems				
Iterative multi-sensor exposure Design/Development/Production/Fielding	1	2025	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	805.856	378.983	256.758	733.182	0.000	733.182	1,053.256	1,152.009	1,484.146	1,362.846	Continuing	Continuing
674920: Mk21A Reentry Vehicle	805.856	362.861	206.862	539.825	0.000	539.825	511.356	416.812	409.776	460.087	Continuing	Continuing
675920: Advanced Capabilities for Missile Enhancement (ACME)	0.000	16.122	49.896	51.227	0.000	51.227	88.009	101.994	103.938	106.043	Continuing	Continuing
675921: Next Generation Reentry Vehicle (NGRV)	0.000	0.000	0.000	142.130	0.000	142.130	453.891	633.203	970.432	796.716	Continuing	Continuing
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.												
In FY2026, BPAC 675920, Next Generation Reentry Capabilities (NGRC) encompassed efforts to design, develop, produce, and deploy new payload system suites (reentry vehicles and/or capabilities)												
In FY2027, BPAC 675920 was renamed Advanced Capability for Missile Enhancement (ACME), along with the creation of BPAC 675921 Next Generation Reentry Vehicle (NGRV), providing visibility of these major thrusts.												
NGRC funding stayed within BPAC 675920.												
NGRV 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 NGRV solutions will include acquisition and integration of advanced reentry capabilities and complementary countermeasures.												
ACME supports enhancements to ICBM operations. More information is available at higher classification levels.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0101328F I ICBM Reentry Vehicles				
The FY 2026 spend plan amount for Research, Development, Test & Evaluation includes \$256,758 thousand of discretionary and \$100,000 thousand of mandatory (reconciliation) for a total of \$356,758 thousand.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		392.423	259.605	0.000	0.000	0.000
Current President's Budget		378.983	256.758	733.182	0.000	733.182
Total Adjustments		-13.440	-2.847	733.182	0.000	733.182
• 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		-13.440	-2.847			
• Other Adjustments		0.000	0.000	733.182	0.000	733.182
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
FY2025 adjustment of -\$13.440 million for SBIR						
FY2026 adjustment for Sec. 8121 reduction due to SBIR/STTR.						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674920: Mk21A Reentry Vehicle	805.856	362.861	206.862	539.825	0.000	539.825	511.356	416.812	409.776	460.087	Continuing	Continuing
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.

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, and 0606398F.

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

	FY 2025	FY 2026	FY 2027
Title: Mk21A Engineering & Manufacturing Development (EMD)	362.861	206.862	539.825
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 (5) Integrate the Mk21A/W87-1 into the LGM-35A Sentinel weapon system			
FY 2026 Plans: • 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. • Develop the critical design review for RV hardware.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles		Project (Number/Name) 674920 / Mk21A Reentry Vehicle	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- 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. - 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 flight test of heatshield test vehicle and W87-1 environmental flight test unit on a RSLP Minotaur or similar launch vehicle. - Conduct activities to mitigate RV development risks including prototype RV/heatshield flight test. - Conduct maturing 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. FY 2027 Plans: - 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. - Increase efforts 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. - Increase efforts in flight test planning with the LGM-35A Sentinel weapon system. - Increase efforts to conduct 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. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to ramp up of LGM-35A Sentinel integration and test activities.					
Accomplishments/Planned Programs Subtotals			362.861	206.862	539.825

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle			

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 05 0605238F: <i>Ground Based Strategic Deterrent EMD</i>	2,011.024	4,147.563	4,491.775	-	4,491.775	4,629.292	4,295.490	4,662.770	4,248.917	Continuing	Continuing
• RDTE 04 0603851F: <i>Intercontinental Ballistic Missile - Dem/Val</i>	125.561	90.096	71.641	-	71.641	135.972	124.957	127.000	129.540	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Mk21A RV program acquisition strategy delivers an integrated RV capable of delivering the W87-1 warhead. 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 DoW 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 674920 / Mk21A Reentry Vehicle

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A EMD Contract	SS/CPIF	Lockheed Martin : King of Prussia, PA	353.667	294.370	Oct 2024	84.822	Oct 2025	323.463	Oct 2026	-		323.463	Continuing	Continuing	-
Mk21A LGM-35A Sentinel Integration Contract	C/CPIF	Northrop Grumman Sys Corp : El Segundo, CA	0.000	0.000	Jul 2025	52.491	Jan 2026	100.998	Jan 2027	-		100.998	Continuing	Continuing	-
Mk21A TMRR Contract	C/CPFF	Lockheed Martin : King of Prussia, PA	271.096	-		-		-		-		-	0.000	271.096	-
Subtotal			624.763	294.370		137.313		424.461		-		424.461	Continuing	Continuing	N/A

Remarks

- Mk21A LGM-35A Sentinel Integration Contract FY2025 & FY2026 cost changes due to contract award slip from FY2025 to FY2026 caused by LGM-35A Sentinel delays
- FY2025 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.
- FY27 ramp in funding goes towards continued development decoupled from Sentinel, including flight test number 3 using an RSLP test bed.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A Other Support	Various	Various : Various	3.991	1.086	Nov 2024	1.151	Nov 2025	1.220	Nov 2026	-		1.220	Continuing	Continuing	-
Mk21A Integration Support: FFRDC/UARC	MIPR	Various : Various	5.882	2.698	Nov 2024	2.859	Nov 2025	3.031	Nov 2026	-		3.031	Continuing	Continuing	-
Mk21A Product Support Business Case Analysis	C/FFP	Serco Inc : Herndon, VA	0.899	0.463	Mar 2025	-		-		-		-	0.000	1.362	-
Mk21A Integration Support: ISC	C/FP	BAE : Hill AFB, UT	20.879	7.231	Oct 2024	8.444	Oct 2025	8.625	Oct 2026	-		8.625	Continuing	Continuing	-
Mk21A Direct Cite Civilian Pay	Various	US Gov Civilians : Hill AFB, UT	5.211	-		-		-		-		-	0.000	5.211	-
Mk21A Fuze Trade Study (TMRR)	MIPR	Sandia National Lab : Albuquerque, NM	1.652	-		-		-		-		-	0.000	1.652	-
Subtotal			38.514	11.478		12.454		12.876		-		12.876	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 674920 / Mk21A Reentry Vehicle

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract

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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	83.810	34.096	Nov 2024	41.520	Nov 2025	60.369	Nov 2026	-		60.369	Continuing	Continuing	-
Mk21A W87-1 Test and Integration	MIPR	DOE/NNSA : Various	35.222	19.197	Oct 2024	9.204	Oct 2025	34.833	Oct 2026	-		34.833	Continuing	Continuing	-
Mk21A Test Support	Various	Various : Various	2.542	1.243	Oct 2024	1.541	Oct 2025	1.606	Oct 2026	-		1.606	0.000	6.932	-
Mk21A Test & Evaluation: Air Force and DOE/NNSA Demonstrator Initiative (ANDI) (TMRR)	MIPR	Various : Various	13.953	-		-		-		-		-	0.000	13.953	-
Subtotal			135.527	54.536		52.265		96.808		-		96.808	Continuing	Continuing	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.
- 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.
- FY27 funding goes towards continued development decoupled from Sentinel, including flight test number 3 using an RSLP test bed.

Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mk21A Program Support Costs	C/Various	Various : Various	7.052	2.477	Nov 2024	4.830	Nov 2025	5.680	Nov 2026	-		5.680	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 674920 / Mk21A Reentry Vehicle					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			7.052	2.477		4.830		5.680		-		5.680	Continuing	Continuing	N/A
Remarks															
- Increasing costs from FY 2025 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. - Increase in Management Services efforts in FY2027 to support increase workload															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			805.856	362.861		206.862		539.825		-		539.825	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity										R-1 Program Element (Number/Name)									
3600 / 7										PE 0101328F / ICBM Reentry Vehicles									
										Project (Number/Name)									
										674920 / Mk21A Reentry Vehicle									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Mk21A Reentry Vehicle (RV)																												
EMD Phase																												
Delta PDR (Nov 2024)																												
Prototype RV Flight Test #3 (Oct 2026)																												
Critical Design Review (Apr 2027)																												
Prototype RV Flight Test #4 (Jul 2027)																												
Milestone C																												
Production and Deployment																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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)				
EMD Phase	1	2025	4	2031
Delta PDR (Nov 2024)	1	2025	1	2025
Prototype RV Flight Test #3 (Oct 2026)	1	2027	1	2027
Critical Design Review (Apr 2027)	3	2027	3	2027
Prototype RV Flight Test #4 (Jul 2027)	4	2027	4	2027
Milestone C	4	2030	4	2030
Production and Deployment	1	2031	4	2031

Note

- EMD Phase began 1QFY24
- Flight Test #3 is currently scheduled for Oct 2026 (1QFY27)
- Flight Test #4 is currently scheduled for July 2027 (4QFY27) and is a rideshare on the Experimental Flight Test 2 funded by PE 0603851F, ICBM Demonstration/Validation
- EMD Phase ends 4QFY32
- P&D Phase ends 4QFY39

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675920: Advanced Capabilities for Missile Enhancement (ACME)	0.000	16.122	49.896	51.227	0.000	51.227	88.009	101.994	103.938	106.043	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Advanced Capabilities for Missile Enhancement (ACME) program supports enhancements to ICBM operations. More information is available at higher classification levels.

In FY2026, BPAC 675920, Next Generation Reentry Capabilities (NGRC) encompassed efforts to design, develop, produce, and deploy new payload system suites (reentry vehicles and/or capabilities)

In FY2027, BPAC 675920 was renamed Advanced Capability for Missile Enhancement (ACME)
NGRC funding stayed within BPAC 675920.

FY2027 continues to support the enabling functions of ACME to include but is not limited to Prime support and studies, engineering support, security support, direct program support costs and information technology.

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

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

	FY 2025	FY 2026	FY 2027
Title: ACME Acquisition Activities	16.122	49.896	51.227
Description: The ACME program will continue to develop SPO capabilities in preparation for acquisition activities.			
FY 2026 Plans:			
• Award follow on Prime contract to perform studies and develop design reference architecture • Continue enabling function support leading to future acquisition activities			
FY 2027 Plans:			
• Award contract to Prime to develop ICBM capabilities. More details are available at higher classification levels.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
No significant increases/decreases between FY2026 and FY2027			
Accomplishments/Planned Programs Subtotals	16.122	49.896	51.227

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 05 0605238F: <i>Ground Based Strategic Deterrent EMD</i>	2,011.024	4,147.563	4,491.775	-	4,491.775	4,629.292	4,295.490	4,662.770	4,248.917	27,265.770	55,752.601
• MPAF 01 MGBSD0: <i>Ground Based Strategic Deterrent</i>	0.000	0.000	16.591	-	16.591	1.484	57.680	1,177.600	1,509.094	78,849.892	81,612.341
• RDTE 04 0603851F: <i>Intercontinental Ballistic Missile - Dem/Val</i>	125.561	90.096	71.641	-	71.641	135.972	124.957	127.000	129.540	Continuing	Continuing
• RDTE 03 0603273F: <i>Science & Technology for Nuclear Re-entry Systems</i>	91.885	128.407	164.863	-	164.863	169.385	172.846	176.286	179.812	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Advanced Capabilities for Missile Enhancement (ACME) program supports enhancements to ICBM operations. More information available at higher classification levels.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force													Date: April 2026		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ACME Research / Development Efforts	C/Various	TBD : TBD	0.000	-		12.000	Jan 2026	0.798	Jul 2027	-		0.798	0.000	12.798	-
Subtotal			0.000	-		12.000		0.798		-		0.798	0.000	12.798	N/A
Remarks															
• Contractual specifics are not available at this level of security classification; Initial contract award utilized FY2024 dollars, though awarded in FY2025. FY2025 award date allowed 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)															
• \$4.435M realigned from Mk21a BPAC 674920 to BPAC 675920 (not reflected in the PB numbers for FY2025). Funds were used in Product Development, Support and Management Services.															
• \$142.2M realigned from Mk21a BPAC 674920 to BPAC 675920 (not reflected in the PB numbers for FY2026). Funds will be used in Product Development, Support and Management Services.															
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC ICBM Development, Operations & Sustainment (IDOS) support	C/Various	BAE Systems : Hill AFB, UT	0.000	6.093	Aug 2025	7.529	Nov 2025	12.043	Nov 2026	-		12.043	Continuing	Continuing	-
NGRC JHU/APL Support	SS/CPFF	JHU/APL : Laurel, MD	0.000	3.060	Aug 2025	4.985	Mar 2026	11.427	Oct 2026	-		11.427	Continuing	Continuing	-
NGRC Mission Modeling Framework Support	MIPR	MSIC : Huntsville, AL	0.000	0.000	Jun 2025	1.900	Jun 2026	4.400	Jun 2027	-		4.400	Continuing	Continuing	-
NGRC Security Support	Various	Various : Various	0.000	-		1.432	Mar 2026	1.200	Oct 2026	-		1.200	0.000	2.632	-
NGRC SDL Support	Various	Various : Various	0.000	1.134	Jul 2025	1.071	Jul 2026	1.119	Jul 2027	-		1.119	0.000	3.324	-
Subtotal			0.000	10.287		16.917		30.189		-		30.189	Continuing	Continuing	N/A
Remarks															
• NGRC ICBM Development, Operations & Sustainment (IDOS) support formerly known as ISC extended to include multiple options through FY2027.															
• \$4.435M realigned from Mk21a BPAC 674920 to BPAC 675920 (not reflected in the PB numbers for FY2025). Funds were used in Product Development, Support and Management Services.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles						Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
• \$142.2M realigned from Mk21a BPAC 674920 to BPAC 675920 (not reflected in the PB numbers for FY2026). Funds will be used in Product Development, Support and Management Services. Acronyms: John Hopkins University/Applied Physics Lab (JHU/APL) Missile and Space Intelligence Center (MSIC) Space Dynamics Lab (SDL)															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC Test Studies	MIPR	MDA : Huntsville, AL	0.000	-		1.532	Jan 2026	-		-		-	Continuing	Continuing	-
Subtotal			0.000	-		1.532		-		-		-	Continuing	Continuing	N/A
Remarks Acronyms: Missile Defense Agency (MDA)															
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRC Direct Cite Civilian Pay	Various	US Gov Civilians : TBD	0.000	3.543	Oct 2024	5.365	Oct 2025	5.496	Oct 2026	-		5.496	0.000	14.404	-
NGRC Program Support Costs-Infrastructure	SS/TBD	75 CES : Hill AFB, UT	0.000	-		4.089	Jan 2026	-		-		-	0.000	4.089	-
NGRC Program Support Costs	Various	Various : TBD	0.000	0.301	Oct 2024	5.071	Oct 2025	7.190	Oct 2026	-		7.190	0.000	12.562	-
NGRC Information Technology	Various	Various : Various	0.000	1.991	Jun 2025	4.922	Feb 2026	7.554	Nov 2026	-		7.554	Continuing	Continuing	-
Subtotal			0.000	5.835		19.447		20.240		-		20.240	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Remarks															
• \$4.435M realigned from Mk21a BPAC 674920 to BPAC 675920. Funds were used in Product Development, Support and Management Services.															
• \$142.2M realigned from Mk21a BPAC 674920 to BPAC 675920 (not reflected in the PB numbers for FY2026). Funds will be 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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	16.122		49.896		51.227		-		51.227	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles		Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ACME																												
ACME Enabling Functions																												
ACME Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675920 / Advanced Capabilities for Missile Enhancement (ACME)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ACME				
ACME Enabling Functions	1	2025	4	2031
ACME Development	1	2027	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles				Project (Number/Name) 675921 / Next Generation Reentry Vehicle (NGRV)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675921: Next Generation Reentry Vehicle (NGRV)	0.000	0.000	0.000	142.130	0.000	142.130	453.891	633.203	970.432	796.716	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Next Generation Reentry Vehicle (NGRV) program will design, develop, produce, and deploy new payload system suites (reentry vehicles and countermeasures) and integrate them into ICBM weapon systems. Key next generation payload attributes include enhancements in accuracy and lethality. NGRV and associated 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 NGRV program will leverage investments by the ICBM Demonstration/Validation program, the Science & Technology community, and Navy reentry systems application program.

In FY2026 NGRV efforts were accomplished under BPAC 675920 Next Generation Reentry Capabilities.
In FY2027 NGRV BPAC (675921) was created, providing further visibility and traceability.

FY2027 funding supports early acquisition activities that lead to competitive contract awards for NGRV development. NGRV will develop digital models and perform early prototyping to prepare for acquisition activities and to strengthen the atrophied industrial base, posturing the nation to counter adversary threats both projected and unforeseen. This strategy enables a diverse pool of vendors to contribute to 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.

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

	FY 2025	FY 2026	FY 2027
Title: NGRV Acquisition Activities	-	0.000	142.130
Description: The NGRV Program will award contracts to develop technology and reduce risk in preparation for acquisition activities for technology areas associated with NGRV and associated countermeasures, and their respective sub-systems. In FY2026 and prior NGRV efforts were accomplished under BPAC 675920 Next Generation Reentry Capabilities. FY 2026 Plans: • Continue early acquisition activities in support of NGRV material solution analysis • Continue countermeasure market research • Continue supporting DOE/NNSA WXX Warhead Phase 1 concept and assessment			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675921 / Next Generation Reentry Vehicle (NGRV)	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
• Continue concept exploration of technology areas for NGRV components and subsystems <i>FY 2027 Plans:</i> • Expand concept exploration for integration studies • Build digital models and prototypes • Mature RV technologies • Explore countermeasure technologies <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Program Efforts were encapsulated in the FY26 675290 BPAC, Increases in FY27 reflect maturing RV technologies into early prototypes while strengthening the industrial base that produce these capabilities			
Accomplishments/Planned Programs Subtotals		-	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
The NGRV 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 the Department of Energy (DOE)/National Nuclear Security Administration (NNSA) to ensure continued weapon system effectiveness. The NGRV acquisition strategy will include competitively awarded contracts, prototype demonstrations, and continued engagement and synchronization with DOE/ NNSA. The Air Force is responsible for developing, producing, integrating 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).			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles						Project (Number/Name) 675921 / Next Generation Reentry Vehicle (NGRV)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NGRV Research/ Development Efforts	C/Various	TBD : TBD	0.000	-		-		142.130	Jul 2027	-		142.130	0.000	142.130	-
Subtotal			0.000	-		-		142.130		-		142.130	0.000	142.130	N/A
Remarks															
• Contractual specifics are not available at this level of security classification															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		-		142.130		-		142.130	0.000	142.130	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles										Project (Number/Name) 675921 / Next Generation Reentry Vehicle (NGRV)									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NGRV																												
Early Acquisition and Integration Studies																												
Concept Exploration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0101328F / ICBM Reentry Vehicles	Project (Number/Name) 675921 / Next Generation Reentry Vehicle (NGRV)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NGRV				
Early Acquisition and Integration Studies	1	2025	4	2031
Concept Exploration	1	2025	4	2031

Note
Events occurring prior to FY27 are funded with BPAC 675920.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0102110F I MH-139A							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	8.322	14.679	5.900	7.046	0.000	7.046	0.000	0.000	0.000	0.000	0.000	35.947
672023: MH-139A PE/PI	8.322	14.679	5.900	7.046	0.000	7.046	0.000	0.000	0.000	0.000	0.000	35.947
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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
B. Program Change Summary (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total				
Previous President's Budget				15.000	5.982	0.000	0.000	0.000				
Current President's Budget				14.679	5.900	7.046	0.000	7.046				
Total Adjustments				-0.321	-0.082	7.046	0.000	7.046				
• 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				-0.321	-0.082							
• Other Adjustments				0.000	0.000	7.046	0.000	7.046				
Change Summary Explanation												
FY 2025 budget request decreased by \$0.321 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0102110F I MH-139A	
FY 2026 budget request decreased by \$0.082 million due to Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR). The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672023 / MH-139A PE/PI			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
672023: MH-139A PE/PI	8.322	14.679	5.900	7.046	0.000	7.046	0.000	0.000	0.000	0.000	0.000	35.947
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, but not limited to, communication, gun systems, and cabin configuration 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

	FY 2025	FY 2026	FY 2027
Title: MH-139A Performance Enhancements	4.509	3.040	0.000
Description: Continuing 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 2026 Plans: Continuing development, testing, and integration of capability gaps to include but not limited to communication, gun system, mission planning systems, and cabin reconfiguration.			
FY 2027 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to ramp down of efforts and anticipated program completion.				
Title: MH-139A Government Test Planning, Test and Evaluation Description: Planning for system and subsystem test and evaluation and remedy of deficiencies found during testing of the Performance Enhancement and Product Improvement solutions. FY 2026 Plans: Will support efforts to resolve deficiencies identified in Operational Test. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to ramp down of testing efforts and anticipated program completion.		1.078	1.049	0.000
Title: Joint Mission Planning System 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 an ACAT III program. FY 2026 Plans: Continued development of the JMPS program. FY 2027 Plans: Continued development of the JMPS program. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to additional mission planning capability development activities.		3.117	0.311	0.570
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. This effort will be an ACAT III program. FY 2026 Plans:		4.144	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
N/A					
FY 2027 Plans: N/A					
FY 2026 to FY 2027 Increase/Decrease Statement: N/A					
Title: Cabin Configuration Description: The cabin reconfiguration effort continues development started under MH-139A Performance Enhancements to addresses existing MH-139A system limitations and deficiencies associated with ammunition carrying and crew loading capacity to resolve usability concerns, improve weapons systems lethality, and enable rapid infiltration and exfiltration of security forces. FY 2026 Plans: N/A FY 2027 Plans: Continues work on this effort initiated under performance enhancements to include testing, design development, certification, and development of retrofits. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to identification of capability inefficiencies and remedy development.			0.000	0.000	6.476
Title: Communications System Upgrades Description: Communication system updates anticipated due to obsolescence or Diminished Manufacturing Sources (DMS). The radio/comm systems on the MH-139A are critical to ensure necessary communications for military operations to maintain interoperability with defense networks while supporting the Department of War's strategic goal of modernizing communications, reinforcing mission effectiveness, and maintaining technological superiority in contested environments. FY 2026 Plans: Comms system development and improvement. FY 2027 Plans: N/A FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to ramp down of comm system development efforts and anticipated program completion.			1.831	1.500	0.000
Accomplishments/Planned Programs Subtotals			14.679	5.900	7.046

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0102110F / MH-139A				Project (Number/Name) 672023 / MH-139A PE/PI			

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 04 04 H0106O: <i>MH-139A</i>	279.095	67.428	252.949	-	252.949	310.278	146.005	10.087	10.284	0.000	1,076.126
• APAF 05 H01061: <i>MH-139A Mod</i>	5.010	4.992	5.021	-	5.021	5.016	5.009	5.104	5.204	0.000	35.356
• APAF 06 H0106O: <i>UH-1N</i> <i>Replacement Program</i>	34.393	4.888	1.069	-	1.069	2.000	12.117	25.400	25.895	0.000	105.762

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : TBD	3.012	6.791	Apr 2026	3.040	Mar 2027	0.000	Dec 2026	-		0.000	0.000	12.843	-
Mission Planning System	SS/ Various	Hanscom : TBD	3.310	3.117	Feb 2026	0.311	Jan 2027	0.570	Feb 2027	-		0.570	0.000	7.308	-
Mobile User Objective System (MUOS)	PO	Various : TBD	0.000	0.627	Feb 2026	-		-		-		-	0.000	0.627	-
Engine Bench Testing	PO	AEDC : TBD	0.000	4.144	Jul 2025	-		-		-		-	0.000	4.144	-
Comm Systems Upgrade	C/CPAF	TBD : TBD	0.000	-		1.500	Mar 2026	-		-		-	0.000	1.500	-
Cabin Configuration	C/CPAF	Leonardo : TBD	0.000	-		-		6.476	Apr 2027	-		6.476	0.000	6.476	-
Subtotal			6.322	14.679		4.851		7.046		-		7.046	0.000	32.898	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-139A PE/PI Test and Evaluation	C/Various	Various : TBD	2.000	-		1.049	Oct 2025	-		-		-	0.000	3.049	-
Subtotal			2.000	-		1.049		-		-		-	0.000	3.049	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			8.322	14.679		5.900		7.046		-		7.046	0.000	35.947	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / MH-139A	Project (Number/Name) 672023 / MH-139A PE/PI

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>MH-139A Performance Enhancements and Product Improvements</i>																												
Deficiency Reports Resolution																												
Test Planning																												
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																												
Cabin Configuration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	1	2027
Test Planning	1	2025	1	2027
Gun Systems Upgrade Development and Integration	1	2025	4	2025
Gun Systems T&E	1	2025	4	2025
Interim Gun Solution T&E	1	2025	2	2025
Mission Planning Upgrade Planning and Contract Award	1	2025	3	2025
Mission Planning Upgrade Development and Integration	2	2025	3	2028
Mission Planning Upgrade T&E	2	2025	2	2028
Ground Engine Testing	3	2025	3	2026
Communication Systems Upgrades	2	2026	3	2028
Cabin Configuration	1	2027	3	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0102326F I Region/Sector Operation Control Center Modernization Program							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.839	0.722	0.709	0.000	0.709	0.735	0.749	0.762	0.778	0.000	5.294
674592: R/SAOC Modernization	0.000	0.839	0.722	0.709	0.000	0.709	0.735	0.749	0.762	0.778	0.000	5.294
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 Automatic Dependent Surveillance Broadcast (ADS-B). 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0102326F I Region/Sector Operation Control Center Modernization Program				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.852	0.726	0.000	0.000	0.000	
Current President's Budget	0.839	0.722	0.709	0.000	0.709	
Total Adjustments	-0.013	-0.004	0.709	0.000	0.709	
• 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	-0.013	0.000				
• Other Adjustments	0.000	-0.004	0.709	0.000	0.709	
Change Summary Explanation						
Decrease due to reduction of Advisory and FFRDC Services.						
The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY 2026 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Battle Control System-Fixed Modification 1				0.839	0.722	0.709
Description: Continue systems engineering, development, risk reduction, integration, test & evaluation and fielding of the BCS-F Modification 1 effort.						
FY 2026 Plans:						
Continue systems engineering, development, risk reduction, integration, test & evaluation and technical refresh of the BCS-F Modification 1 effort.						
FY 2027 Plans:						
Continue systems engineering, development, risk reduction, integration, test & evaluation and technical refresh of the BCS-F Modification 1 effort and continued testing and fielding of the 3.3.1.1 baseline						
FY 2026 to FY 2027 Increase/Decrease Statement:						
Increase due to increased support for the modernization of the BCS-F System						
Accomplishments/Planned Programs Subtotals				0.839	0.722	0.709

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>						R-1 Program Element (Number/Name) PE 0102326F / <i>Region/Sector Operation Control Center Modernization Program</i>					
D. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2027</u>	<u>FY 2027</u>	<u>FY 2027</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Base</u>	<u>OOC</u>	<u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Complete</u>	<u>Total Cost</u>
• OPAF 03 833030: <i>Battle Control System - Fixed</i>	13.658	16.592	3.391	-	3.391	3.463	3.528	3.592	3.663	0.000	47.887
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 PAE 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 2027 Air Force												Date: April 2026			
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 / R/SAOC Modernization					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Cost	Various	Various: Hanscom AFB, MA : Hanscom AFB, MA	-	0.057	May 2025	0.722	May 2026	0.709	Dec 2026	-		0.709	Continuing	Continuing	-
FFRDC	Various	Various : Hanscom AFB, MA	-	0.782	Dec 2024	0.000	Dec 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	0.839		0.722		0.709		-		0.709	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.839		0.722		0.709		-		0.709	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0102326F / Region/Sector Operation Control Center Modernization Program					674592 / R/SAOC Modernization									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Battle Control System-Fixed Modification 1																												
Operational Test & Fielding Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102326F / Region/Sector Operation Co ntrol Center Modernization Program	Project (Number/Name) 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	1	2027	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0102417F I Over-the-Horizon Backscatter Radar							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	130.401	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	130.401
674865: TALON TACMOR development	0.000	0.000	130.401	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	130.401
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Efforts funded in this program 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 Over-the-Horizon RADAR (OTHR) for 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.

Tactical Multi-Mission Over the Horizon Radar(TACMOR) is a US Air Force remotely operated OTHR system being developed for deployment in the Republic of Palau (RoP). The system will provide enhanced Air Domain Awareness in key regions of USINDOPACOM's area of responsibility.

This program 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 2025 0.000 million was expended for civilian pay expenses in this program, in FY 2026 0.111 million is forecasted for civilian pay expenses in this program element.

TACMOR FY 2026 funds were allocated to - Program 012417F Project 674865 (budget authority 7). FY 2027-FY 2031 corrects the budget authority from 7 to 5 to appropriately reflect program efforts.

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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0102417F I Over-the-Horizon Backscatter Radar				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.000	132.097	0.000	0.000	0.000	
Current President's Budget	0.000	130.401	0.000	0.000	0.000	
Total Adjustments	0.000	-1.696	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	-1.696				
• Other Adjustments	0.000	0.000	0.000	0.000	0.000	
Change Summary Explanation The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner. As part of Section 8151 of the Department of Defense Appropriations Act, 2026, FY2026 change of -1.696 million. FY2026 TACMOR's RDT&E funds are loaded into PE 0102417F Project 674865 BA 07. FY2027-FY2030 RDT&E funds allocation now reflected in Program 0102417F 650012 BA 05. Program was re-phased in FY2026-FY2030 to align with military construction schedule and site availability.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: TACMOR Development				0.000	130.401	0.000
Description: TACMOR development focuses on rapid prototyping activities to field an OTHR system capable of operating under challenging ionospheric conditions near the equator in the Republic of Palau. Key activities include: Prototype design, development, production, installation, and testing activities; Conducting engineering studies and analyses to inform system design; Research and scientific studies to characterize ionospheric and electromagnetic interference phenomenology to inform the design and development of transmit, receive, and software subsystems; Development of ionospheric models to support sensor tracking software; Development, integration, and testing of sensor suite command-and-control (C2) software; Implementation of Model-Based Digital Engineering tools and principles; Development of system modeling and simulation tools and environments; Design and development of unique system security, cybersecurity, resiliency, and hardening features to meet TACMOR's high-threat environment requirements; Design and implementation of C2 and data fusion architectures; Design and installation of a high-speed Fiber-Optic communications system.						
FY 2026 Plans: - Continue market research activities for the acquisition of subsystems - Conduct fiber optic/network design reviews and factory acceptance tests						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>				R-1 Program Element (Number/Name) PE 0102417F <i>I Over-the-Horizon Backscatter Radar</i>							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
- Conduct system performance analyses with latest ionospheric data - Conduct ionospheric and electromagnetic interference data collections in the receive site (Angaur, Palau) - Continue Model Based System Engineering (MBSE) activities - Start Cybersecurity and Risk Management Framework (RMF) process for fiber optic sea cable subsystem - Select system integrator <i>FY 2027 Plans:</i> - Will initiate contract execution activities - Will conduct System Level Design Reviews to enter production - Will start purchase of long lead items - Will start sensor management software suite design, development, and update activities - Will continue buildout and deployment of on-island fiber optic/WAC network segments - Will continue ionospheric modeling to inform target tracking software development activities - Will conduct electromagnetic interference surveys at the transmit site (Babeldaob, Palau) - Will fund program support costs to include DCA manpower, test assets, and initiation of iterative integrated developmental and operational testing <i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding decreased due to purchase of long-lead radar components and material development in FY2026.											
Accomplishments/Planned Programs Subtotals							0.000	130.401	0.000		
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 838010: <i>Comm Elect Mods</i>	0.000	9.172	9.374	-	9.374	9.570	-	-	-	Continuing	Continuing
• RDTE 05 0102417F: <i>Over-the-Horizon Backscatter Radar</i>	9.543	0.000	96.027	-	96.027	70.258	36.200	0.400	0.408	0.000	212.836
Remarks											
E. Acquisition Strategy TACMOR plans to enter the Middle Tier of Acquisition pathway, as a Rapid Prototyping effort(MTA-RP). The program leverages the Air Force Tactical Exploitation of National Capabilities (TENCAP) and Joint Capability Technology Demonstration (JCTD) system designs to mature final production prototype design. Development,											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0102417F <i>I Over-the-Horizon Backscatter Radar</i>	
integration, testing, and fielding activities will be executed via a single system integration contract award. Contracting strategy maximizes the use of established government contracts, e.g., General Services Administration (GSA) schedules, Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicles, consortia agreements.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0102417F / Over-the-Horizon Backscatter Radar				Project (Number/Name) 674865 / TALON TACMOR development					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TACMOR Prototype Development & Production	TBD	AFLCMC/ESG : Hanscom AFB, MA	-	0.000	Oct 2025	91.402	Oct 2026	0.000	Oct 2026	-		0.000	Continuing	Continuing	-
TACMOR Fiber Optic/ Wide Area network services development and installation	MIPR	AFLCMC/ESG : Hanscom AFB, MA	-	0.000	Sep 2025	28.500	Sep 2026	0.000	Sep 2027	-		0.000	Continuing	Continuing	-
Subtotal			-	0.000		119.902		0.000		-		0.000	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering Services	SS/CPAF	AFLCMC/HBD : Hanscom AFB, MA	-	0.000	Jul 2025	2.924	Jul 2026	0.000	Jul 2027	-		0.000	Continuing	Continuing	-
Subtotal			-	0.000		2.924		0.000		-		0.000	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs	Various	AFLCMC/HBD : Hanscom AFB, MA	-	0.000	Nov 2024	7.575	Nov 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
Subtotal			-	0.000		7.575		0.000		-		0.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000		130.401		0.000		-		0.000	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0102417F / <i>Over-the-Horizon Backscatterer Radar</i>			Project (Number/Name) 674865 / <i>TALON TACMOR development</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
TACMOR Development																												
Market Research																												
TACMOR Receive Site MILCON																												
TACMOR System Model Based Systems (MBSE) and Integration																												
Sea Cable Fiber Optic (SFOC) Network Communication Infrastructure Development and Factory Acceptance Tests																												
TACMOR Transmit Site MILCON																												
Sea Cable Fiber Optic (SFOC) Network Cybersecurity Risk Management Framework Planning and Implementation																												
Conduct Ionospheric and Electro Magnetic Interference (EMI) Data Collections and Analyses at Receive and Transmit Sites																												
Sea Cable Fiber Optic Network (SFOC) Wide Area Communications (WAC) Network																												
Sea Cable Fiber Optic Network System Integration Lab (SIL) development																												
TACMOR System Design and Production																												
Sea Fiber Optic Cable (SFOC) Deep Sea Water Segment Installation																												
TACMOR Transmit Subsystem Installation and Check Out																												
TACMOR Receive Subsystem Installation and Check Out																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0102417F / *Over-the-Horizon Backscatter Radar***Project (Number/Name)**

674865 / TALON TACMOR development

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
TACMOR Radar Operations Control Center (OCC) Installation and Check Out	[REDACTED]																											
TACMOR Rapid Prototype Utility Demonstration	[REDACTED]																											
Select Prime System Integrator	[REDACTED]																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102417F / Over-the-Horizon Backscatterer Radar	Project (Number/Name) 674865 / TALON TACMOR development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
TACMOR Development				
Market Research	1	2025	2	2026
TACMOR Receive Site MILCON	1	2025	2	2026
TACMOR System Model Based Systems (MBSE) and Integration	1	2025	4	2027
Sea Cable Fiber Optic (SFOC) Network Communication Infrastructure Development and Factory Acceptance Tests	1	2026	1	2028
TACMOR Transmit Site MILCON	2	2026	4	2028
Sea Cable Fiber Optic (SFOC) Network Cybersecurity Risk Management Framework Planning and Implementation	2	2026	2	2029
Conduct Ionospheric and Electro Magnetic Interference (EMI) Data Collections and Analyses at Receive and Transmit Sites	2	2026	3	2028
Sea Cable Fiber Optic Network (SFOC) Wide Area Communications (WAC) Network	3	2026	3	2028
Sea Cable Fiber Optic Network System Integration Lab (SIL) development	3	2026	4	2028
TACMOR System Design and Production	4	2026	4	2029
Sea Fiber Optic Cable (SFOC) Deep Sea Water Segment Installation	4	2027	1	2028
TACMOR Transmit Subsystem Installation and Check Out	1	2028	3	2029
TACMOR Receive Subsystem Installation and Check Out	1	2028	3	2029
TACMOR Radar Operations Control Center (OCC) Installation and Check Out	2	2028	3	2029
TACMOR Rapid Prototype Utility Demonstration	3	2029	4	2029
Select Prime System Integrator	4	2026	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0202834F I Aviation Support Equipment - General							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.097	10.733	1.028	0.000	1.028	12.190	5.910	6.150	6.274	Continuing	Continuing
672800: AVIATION SUPPORT EQUIPMENT MODERNIZATION	0.000	6.097	10.733	1.028	0.000	1.028	12.190	5.910	6.150	6.274	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 may include 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.

This program includes a congressional add in FY26 for next generation advance munitions lift.

In direct support of SecDef's direction to increase readiness across the DoD, efforts within this PEC will be prioritized based on the National Defense Authorization Act (NDAA), USAF Force Design, Agile Combat Employment (ACE), and the Defense Planning Guide (DPG). These efforts will support work and collaboration efforts across the Combat Readiness Directorate in PE's 78051F, 71212F, 72833F, 64706F, 65827F, 22834F, 52834F, 52844F, 28031F, 41135F and 27521F -- to increase readiness across the Air Force Enterprise

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0202834F I Aviation Support Equipment - General				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		6.097	0.744	0.000	0.000	0.000
Current President's Budget		6.097	10.733	1.028	0.000	1.028
Total Adjustments		0.000	9.989	1.028	0.000	1.028
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	9.989			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	1.028	0.000	1.028
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Powered AGE Systems Modernization				2.268	0.100	0.000
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 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 "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 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0202834F <i>I Aviation Support Equipment - General</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
The last effort to modernize powered AGE through a multi-capable power, air, and light cart is currently nearing completion of the development phase and is shifting into procurement. The primary focus for investment for FY27 will be on MMHE modernization. This plan may change if requirements or threats change. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease in FY27 due to investment focus on the design of next generation munitions loaders and completion of multi-capable AGE cart.				
Title: Munitions Materiel Handling Equipment (MMHE) Modernization 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 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. FY 2027 Plans: Investment of next generation MMHE equipment to meet current and future requirements. One or more contracts may be awarded to develop a Family-of-Jammer(s) or munitions loaders to meet Air Force 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 may include 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 to FY 2027 Increase/Decrease Statement: Increase in FY27 due to planned development and design of next generation munition loaders.		1.665	10.533	1.028
Title: Tow Systems Modernization		2.164	0.100	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>				R-1 Program Element (Number/Name) PE 0202834F <i>I Aviation Support Equipment - General</i>							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
Description: New Common Tow Systems Modernization across the aircraft fleet. RDT&E efforts support development, testing, and producibility of Tow Bar and Tow Systems. 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. FY 2027 Plans: Project nearing completion in development phase. This effort will shift into procurement for FY27. FY 2026 to FY 2027 Increase/Decrease Statement: Expected FY27 funding decrease due to completion of developmental efforts.											
Accomplishments/Planned Programs Subtotals							6.097	10.733	1.028		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 07 000071: <i>Aircraft Replacement Support Equip</i>	0.000	0.000	-	-	-	-	-	-	-	Continuing	Continuing
Remarks											
The Support Equipment and Vehicles program office is responsible for developing, acquiring and sustaining common aircraft generation support equipment for the United Stated Air Force (USAF).											
E. Acquisition Strategy											
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.											
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.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0202834F / <i>Aviation Support Equipment - General</i>	
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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0202834F / Aviation Support Equipment - General				Project (Number/Name) 672800 / AVIATION SUPPORT EQUIPMENT MODERNIZATION					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MMHE Contract	C/TBD	Not specified. : TBD	-	4.004	Jan 2025	10.533	Jan 2026	1.021	Jan 2027	-		1.021	Continuing	Continuing	-
Powered AGE Contract	C/TBD	Not specified. : TBD	-	0.396	Jan 2025	0.100	Nov 2025	-		-		-	Continuing	Continuing	-
Tow Systems Contract	C/TBD	Not specified. : TBD	-	0.527	Jun 2025	0.100	Feb 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	4.927		10.733		1.021		-		1.021	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Support	PO	Not specified. : TBD	-	1.100	Mar 2025	-		-		-		-	Continuing	Continuing	-
Subtotal			-	1.100		-		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Management/Government Services	TBD	Not specified. : TBD	-	0.070	Feb 2025	-		0.007		-		0.007	Continuing	Continuing	-
Subtotal			-	0.070		-		0.007		-		0.007	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	6.097		10.733		1.028		-		1.028	Continuing	Continuing	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 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0202834F / Aviation Support Equipment - General					672800 / AVIATION SUPPORT EQUIPMENT MODERNIZATION									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Aviation Support Equipment Mod																												
Powered AGE Development																												
MMHE Development																												
Tow Systems Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0202834F / Aviation Support Equipment - 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	2025	3	2030
MMHE Development	2	2025	3	2030
Tow Systems Development	2	2025	4	2030

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0203345F I Operations Security (OPSEC)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	45.000	0.000	45.000	67.000	70.400	73.900	77.600	Continuing	Continuing
674550: Operations Security (OPSEC)	0.000	0.000	0.000	45.000	0.000	45.000	67.000	70.400	73.900	77.600	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, the Battering Ram project is transferring from PE 0604009F, Project 640858 AFWERX Prime to PE 0203345F, Project 674550 Operations Security (OPSEC) as the Department of the Air Force (DAF) continues this effort as a formal development program. This program is not a New Start.

A. Mission Description and Budget Item Justification

The DAF Operations Security (OPSEC) Program enables the effective and efficient execution of the OPSEC process. OPSEC is a Presidentially directed security discipline and operational function that denies adversaries the ability to collect, analyze, and exploit information that might provide an advantage against the United States by preventing the compromise of critical information through a process of continual assessment that identifies and analyzes critical information, vulnerabilities, risks, and external threats.

OPSEC requires the continual implementation and modernization of measures and countermeasures, to include technical solutions, to mitigate operational risk. The Battering Ram project and associated efforts, may include but are not limited to, provide the automated classification governance, requirements management, and scaling across the Department of War (DoW) through the modernization of the information security classification and declassification processes which enhance critical OPSEC measures; thereby reducing risks to DOW and DAF capabilities and missions.

The Battering Ram project is developing and implementing the information technology infrastructure that enables the modernization of existing information security capabilities to realize a uniform system for classifying, safeguarding, and declassifying national security information as prescribed in Executive Order 13526, Classified National Security Information. Battering Ram will enable the DoW to improve warfighter effectiveness by increasing the speed with which information can be exchanged by reducing complex and manual review processes and providing a secure multi-level information system and information technology infrastructure to support the execution and operation of the information security enterprise.

Battering Ram will continue to operationalize capabilities that further the DoW's ability to centrally manage classification, such as but not limited to:

- Digitizing, curating, and maintaining authoritative classification and declassification guidance across all classification levels (CUI through TS//SCI/SAR)
- Automatically classifying and validating existing DoW documents and data using machine-readable guidance and Artificial Intelligence (AI)-enabled decision support
- Providing software services to both connected and air-gapped DoW and cleared contractor information systems

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0203345F I Operations Security (OPSEC)				
- Enabling adjudication, governance, and continuous improvement of classification policy through a centralized digital infrastructure Battering Ram directly supports mission assurance, operational security, information advantage, and risk reduction by replacing fragmented, manual, and inconsistent classification processes with a standardized, auditable, and automated digital lifecycle. This program element may include all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expense budgeted in program elements 0605829F, 06050831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		0.000	0.000	0.000	0.000	0.000
Current President's Budget		0.000	0.000	45.000	0.000	45.000
Total Adjustments		0.000	0.000	45.000	0.000	45.000
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	45.000	0.000	45.000
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Battering Ram				0.000	0.000	45.000
Description: Battering Ram establishes and sustains a Digital Security Infrastructure for the Department of the Air Force (DAF) and Department of War (DoW) to manage the end-to-end lifecycle of Executive Order 13526, associated DoW policy, and digitized security classification guidance. The effort delivers a secure information system that digitizes and maintains authoritative classification guidance across all levels (CUI through TS//SCI/SAR), enables automated classification and validation						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0203345F <i>I Operations Security (OPSEC)</i>		
C. Accomplishments/Planned Programs (\$ in Millions) of documents and data using machine-readable policy and Artificial Intelligence (AI)-supported decision capability, and provides software services to both connected and air-gapped environments. The capability supports cross-domain data handling, records management, and enterprise deployment while enabling centralized governance, adjudication, and continuous refinement of classification policy. FY 2026 Plans: N/A FY 2027 Plans: - Will begin to develop and deploy the initial integrated software capability with a modular architecture, including user-facing interfaces, workflow pipelines, and role-based access for classification, declassification, and policy adjudication functions. - Will begin to implement and mature AI-based and deterministic rule-based classification engines to deliver incremental capability and reduce risk to large-scale DoW-wide deployment. - Will begin to develop and apply data analytics capabilities to identify patterns, inconsistencies, and relationships across classification guidance to refine classification logic and policy alignment. - Will continue digitization, normalization, and improvement of classification guidance to maintain machine-readable policy inputs that can be updated without full system reconfiguration. - Will begin to establish the foundational Multi-Level Information System (MLIS) environment, including compute, storage, and accreditation, to support phased expansion across NIPR, SIPR, JWICS, and SAP networks. - Will conduct continuous testing, user feedback, and monitoring of system performance to verify and validate classification accuracy and data handling to correct errors and improve system performance. - Will begin to develop and implement the initial classification challenge workflow with appropriate government agencies. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased because the effort is transitioning to be a formal program delivering operational information security capability across the DoW; the increase in funding supports the transition and expanded scope from the initial innovation effort previously under AFWERX.		FY 2025	FY 2026	FY 2027
Accomplishments/Planned Programs Subtotals		0.000	0.000	45.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0203345F I Operations Security (OPSEC)	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy Battering Ram is transitioning from an AFWERX innovation effort to a formal Department of the Air Force (DAF) program. The acquisition strategy will continue to be developed and assessed through FY2026 and expected to be determined in FY2027.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0203345F / Operations Security (OPS EC)				Project (Number/Name) 674550 / Operations Security (OPSEC)					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Battering Ram: Integration and User Interfaces	TBD	TBD : TBD	-	-		-		10.000	Jan 2027	-		10.000	Continuing	Continuing	-
Battering Ram: AI Probabilistic Classification Engines	TBD	TBD : TBD	-	-		-		6.000	Jan 2027	-		6.000	Continuing	Continuing	-
Battering Ram: Data Analytics	TBD	TBD : TBD	-	-		-		4.000	Jan 2027	-		4.000	Continuing	Continuing	-
Battering Ram: Deterministic Classification Engine	TBD	TBD : TBD	-	-		-		4.000	Jan 2027	-		4.000	Continuing	Continuing	-
Subtotal			-	-		-		24.000		-		24.000	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Battering Ram: Classification Guidance/ Policy Analysis	TBD	TBD : TBD	-	-		-		5.000	Jan 2027	-		5.000	Continuing	Continuing	-
Battering Ram: Information System Security Accreditation	TBD	TBD : TBD	-	-		-		5.000	Jan 2027	-		5.000	Continuing	Continuing	-
Subtotal			-	-		-		10.000		-		10.000	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Battering Ram: Continuous Testing, Monitoring, and Validation	TBD	TBD : TBD	-	-		-		8.000	Jan 2027	-		8.000	Continuing	Continuing	-
Subtotal			-	-		-		8.000		-		8.000	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0203345F / Operations Security (OPS EC)						Project (Number/Name) 674550 / Operations Security (OPSEC)			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Battering Ram: Program Support Costs	TBD	TBD : TBD	-	-		-		0.800	Jan 2027	-		0.800	Continuing	Continuing	-
Battering Ram: Direct Cite Authority Civilian Pay	Allot	Various : TBD	-	-		-		2.200		-		2.200	Continuing	Continuing	-
Subtotal			-	-		-		3.000		-		3.000	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		45.000		-		45.000	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																Date: April 2026			
Appropriation/Budget Activity								R-1 Program Element (Number/Name)								Project (Number/Name)			
3600 / 7								PE 0203345F / Operations Security (OPS EC)								674550 / Operations Security (OPSEC)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Battering Ram																												
SW Continual Delivery																												
Digital SCG and Policy Adjudication/ Enhancement																												
Continual V&V of Auto-Classification Output																												
DoW-Wide Auto-Classification Requirements Maturation/Programming																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0203345F / Operations Security (OPS EC)	Project (Number/Name) 674550 / Operations Security (OPSEC)	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Battering Ram				
SW Continual Delivery	2	2027	4	2031
Digital SCG and Policy Adjudication/Enhancement	2	2027	4	2031
Continual V&V of Auto-Classification Output	2	2027	4	2031
DoW-Wide Auto-Classification Requirements Maturation/Programming	2	2027	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	6.841	32.600	16.723	0.000	16.723	0.000	0.000	0.000	0.000	0.000	56.164
675212: MQ-9 SLAM	0.000	0.000	32.304	16.723	0.000	16.723	0.000	0.000	0.000	0.000	0.000	49.027
675247: Squadron Operations Centers (SOC)	0.000	0.260	0.296	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.556
675249: MQ-9 Upgrade	0.000	6.581	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.581
Program MDAP/MAIS Code: 424												
A. Mission Description and Budget Item Justification												
The MQ-9 Reaper system is a modular and adaptable system comprised of the Aircraft, sensors, Ground Control Station (GCS), kill chain integration, 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. The Air Force established the MQ-9 Multi-Domain Operations (M2DO) configuration, which includes 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. This program element may include all necessary 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 0605829F, 0605831F, 0605833F, or 0605898F. In FY2026 OM was expended for civilian pay expenses in this program element and in FY2027 OM 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 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0205219F / MQ-9 UAV			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	7.074	26.689	0.000	0.000	0.000
Current President's Budget	6.841	32.600	16.723	0.000	16.723
Total Adjustments	-0.233	5.911	16.723	0.000	16.723
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-5.826			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	12.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.233	-0.263			
• Other Adjustments	0.000	0.000	16.723	0.000	16.723
Change Summary Explanation					
FY2025: SBIR Assessment: -.233M					
FY2026: Congressional Direction Reduction: -5.826M Excess to Need; Congressional Adds: 12M Program Increase; SBIR Sec 8151 Reduction: -.263M					
FY2027: 16.723M restored via PDM and OSW direction to ACC					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675212 / MQ-9 SLAM			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675212: MQ-9 SLAM	0.000	0.000	32.304	16.723	0.000	16.723	0.000	0.000	0.000	0.000	0.000	49.027
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 \$6.581M 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 2025	FY 2026	FY 2027
Title: MQ-9 SLAM	0.000	25.169	11.383
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 2026 Plans: In FY2026 MQ-9 SLAM will continue development and integration of the following capabilities:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV		Project (Number/Name) 675212 / MQ-9 SLAM	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
•Operational Flight Plan (OFP) releases •Potential C2 resiliency efforts which include Proliferated Low Earth Orbit (PLEO) •Potential DMS issues FY 2027 Plans: In FY2027 MQ-9 SLAM will continue development and integration of the following capabilities: •Operational Flight Plan (OFP) releases •Potential C2 resiliency efforts which include Proliferated Low Earth Orbit (PLEO) •Potential DMS issues FY 2026 to FY 2027 Increase/Decrease Statement: FY27 funding was reduced for higher Air Force prioritization efforts.					
Title: Test Support 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 reliability and maintainability (R&M) upgrades. FY 2026 Plans: 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. FY2026 accomplishments include: •Test planning and initial integration test will continue for next OFP release in the cycle •Pilot Sensor Operator (PSO) and Det 3 Test Support Requirements may change based on actual execution and evolving mission needs. FY 2027 Plans: In FY2027 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. FY2027 accomplishments include: •Test planning and initial integration test will continue for next OFP release in the cycle •Pilot Sensor Operator (PSO) and Det 3 Test Support Requirements may change based on actual execution and evolving mission needs. FY 2026 to FY 2027 Increase/Decrease Statement:			0.000	7.135	5.340

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675212 / MQ-9 SLAM	

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

	FY 2025	FY 2026	FY 2027
FY26 Test Support was higher than normal due to a contract claim settlement on our test support contract. FY27 test support is at normal operating levels.			
Accomplishments/Planned Programs Subtotals	0.000	32.304	16.723

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 06 PRDTB1: MQ-9	0.000	20.728	5.029	-	5.029	0.820	0.000	0.000	0.000	0.000	26.577
• APAF 05 PRDTB2: MQ-9 Mods	12.351	100.923	105.966	-	105.966	0.000	0.000	0.000	0.000	0.000	219.240
• APAF 07 PRDTB5: MQ-9 Post Prod	0.000	0.000	15.365	-	15.365	0.000	0.000	0.000	0.000	0.000	15.365

Remarks

D. Acquisition Strategy

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675212 / MQ-9 SLAM					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 SLAM	SS/CPAF	GA-ASI : Poway, CA	0.000	-		24.169	Nov 2025	10.223	Sep 2027	-		10.223	10.400	44.792	-
Subtotal			0.000	-		24.169		10.223		-		10.223	10.400	44.792	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	Various : Various	0.000	-		7.135	Nov 2025	5.340	Feb 2027	-		5.340	4.780	17.255	-
Subtotal			0.000	-		7.135		5.340		-		5.340	4.780	17.255	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Government Costs	Various	Various : Various	0.000	-		1.000	Feb 2026	1.160	Feb 2027	-		1.160	3.500	5.660	-
Subtotal			0.000	-		1.000		1.160		-		1.160	3.500	5.660	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		32.304		16.723		-		16.723	18.680	67.707	N/A
Remarks															
In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.581M 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 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity								R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7								PE 0205219F / MQ-9 UAV						675212 / MQ-9 SLAM			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MQ-9 SLAM																												
MQ-9 SLAM																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2027
Test Support	1	2025	4	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675247 / Squadron Operations Centers (SOC)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675247: Squadron Operations Centers (SOC)	0.000	0.260	0.296	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.556
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 2025	FY 2026	FY 2027
Title: Squadron Operations Center	0.260	0.296	0.000
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 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 2027 Plans: There are no RDT&E efforts planned and no funding allotted.			
FY 2026 to FY 2027 Increase/Decrease Statement: Program transitioned to operations and sustainment.			
Accomplishments/Planned Programs Subtotals	0.260	0.296	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675247 / Squadron Operations Centers (SOC)			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 03 Line Item 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 remote split operations (RSO) missions. OPAF funding will be used to standardize and modernize existing Remotely Piloted Aircraft (RPA) Squadron Operations Center (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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.260	Mar 2025	0.296		-		-		-	0.000	0.556	-
Subtotal			0.000	0.260		0.296		-		-		-	0.000	0.556	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.260		0.296		-		-		-	0.000	0.556	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV					Project (Number/Name) 675247 / Squadron Operations Centers (SOC)			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DT/OT SOC Development , Testing, Installation and Maintenance																												
DT/OT SOC																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV				Project (Number/Name) 675249 / MQ-9 Upgrade			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675249: MQ-9 Upgrade	0.000	6.581	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.581
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 \$6.581M 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 was rescinded \$1.700M and is not reflected in this budget documentation.

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

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

	FY 2025	FY 2026	FY 2027
Title: MQ-9 Upgrade	3.541	0.000	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 2027 Air Force			Date: April 2026
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 2025	FY 2026	FY 2027
There will be cost sharing on development, where appropriate, on joint efforts that are required by all programs to support the new capabilities.			
FY 2026 Plans: MQ-9 Upgrade development is complete.			
FY 2027 Plans: MQ-9 Upgrade development is complete.			
Title: Test Support	3.040	0.000	0.000
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.			
FY 2026 Plans: MQ-9 Upgrade development is complete.			
FY 2027 Plans: MQ-9 Upgrade development is complete.			
Accomplishments/Planned Programs Subtotals	6.581	0.000	0.000

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 06 PRDTB1: MQ-9 UAV	0.000	20.728	5.029	-	5.029	0.820	0.000	0.000	0.000	0.000	26.577
• APAF 05 PRDTB2: MQ-9 Mods	12.351	100.923	105.966	-	105.966	0.000	0.000	0.000	0.000	0.000	219.240
• APAF 07 PRDTB5: MQ-9 Post Prod	0.000	0.000	15.365	-	15.365	0.000	0.000	0.000	0.000	0.000	15.365

Remarks

In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.581M 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 was rescinded \$1.700M and is not reflected in this budget documentation.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0205219F / MQ-9 UAV	Project (Number/Name) 675249 / MQ-9 Upgrade
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	3.317	Jun 2025	-		-		-		-	0.000	3.317	-
Subtotal			0.000	3.317		-		-		-		-	0.000	3.317	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	Various : Various	0.000	3.038	Jun 2025	-		-		-		-	0.000	3.038	-
Subtotal			0.000	3.038		-		-		-		-	0.000	3.038	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Government Costs	Various	Various : Various	0.000	0.226	Feb 2025	-		-		-		-	0.000	0.226	-
Subtotal			0.000	0.226		-		-		-		-	0.000	0.226	N/A
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	6.581		-		-		-		-	0.000	6.581	N/A
Remarks															
In the FY2025 PB there was a database error which incorrectly placed the entire budget of \$6.581M 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 was rescinded \$1.700M and is not reflected in this budget documentation.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0205219F / MQ-9 UAV					675249 / MQ-9 Upgrade									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MQ-9 ACAT II Development																												
MQ-9 Upgrade																												
Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2025
Test Support	1	2025	4	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0205671F I Joint Counter RCIED Electronic Warfare							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	3.325	3.382	2.816	0.000	2.816	2.920	2.977	3.034	3.095	0.000	21.549
674518: JCREW VEHICLE INTEGRATION	0.000	3.325	3.382	2.816	0.000	2.816	2.920	2.977	3.034	3.095	0.000	21.549
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.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>
Previous President's Budget	3.372	3.424	0.000	0.000	0.000
Current President's Budget	3.325	3.382	2.816	0.000	2.816
Total Adjustments	-0.047	-0.042	2.816	0.000	2.816
• 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	-0.042			
• Other Adjustments	-0.047	0.000	2.816	0.000	2.816

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>			R-1 Program Element (Number/Name) PE 0205671F <i>I Joint Counter RCIED Electronic Warfare</i>		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: JCREW Vehicle Integration Description: Program funds 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 2027 Base Plans: Program continues to fund Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Mounted, Dismounted, and Fixed systems. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease from FY26 to FY27 due to execution of funds/requirement slipping to the right	3.325	3.382	2.816	-	2.816
Accomplishments/Planned Programs Subtotals	3.325	3.382	2.816	-	2.816

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 04 Line Item 845100: <i>Engineering and EOD Equipment</i>	0.000	0.000	-	-	-	-	-	-	-	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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	3.325	Nov 2024	3.382	Nov 2025	2.816	Nov 2026	0.000	Nov 2026	2.816	Continuing	Continuing	-
Subtotal			-	3.325		3.382		2.816		0.000		2.816	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	3.325		3.382		2.816		0.000		2.816	Continuing	Continuing	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 2027 Air Force			Date: April 2026		
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 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
J CREW Integration																												
JCREW Vehicle Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2026	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207040F I Multi-Platform Electronic Warfare Equipment							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	7.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.000
670400: SPECTRUM WARFARE ATTACK CAPABILITY	0.000	0.000	7.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.000
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2025, Project Multi-Platform Electronic Warfare Equipment projected for completion. No funding requested for FY27

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.

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

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		PE 0207040F I Multi-Platform Electronic Warfare Equipment			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	7.000	0.000	0.000	0.000
Total Adjustments	0.000	7.000	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	7.000			
• 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 2025	FY 2026
Project: 670400: SPECTRUM WARFARE ATTACK CAPABILITY					
Congressional Add: AI for Cognitive EW				0.000	7.000
Congressional Add Subtotals for Project: 670400				0.000	7.000
Congressional Add Totals for all Projects				0.000	7.000
Change Summary Explanation					
FY26 add for \$7M for AI for Cognitive EW					
C. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	
Congressional Add: AI for Cognitive EW			0.000	7.000	
FY 2025 Accomplishments: No funding in FY25					
FY 2026 Plans: Work continuing to develop open system architecture capability of addressing 21st century threats.					
Congressional Adds Subtotals			0.000	7.000	

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207040F <i>I Multi-Platform Electronic Warfare Equipment</i>						
D. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2027</u>	<u>FY 2027</u>	<u>FY 2027</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Base</u>	<u>OOO</u>	<u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Complete</u>	<u>Total Cost</u>
• APAF 07 000075: <i>Other Production Charges</i>	0.000	0.000	-	-	-	-	-	-	-	0.000	0.000
Remarks											
E. Acquisition Strategy											
- 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. - 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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207040F / Multi-Platform Electronic Warfare Equipment						Project (Number/Name) 670400 / SPECTRUM WARFARE ATTACK CAPABILITY			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AI/ML Cognitive EA	SS/CPFF	AFRL/DTIC : Dayton, OH	-	-		-		-		-		-	0.000	0.000	-
AI/ML Cog EW	SS/CPFF	SWRI : Dayton, OH	-	-		6.300	Jun 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		6.300		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
A&AS Support/Travel	SS/CPFF	PE Systems : Fairfax, VA	-	-		0.700	Apr 2026	-		-		-	0.000	0.700	-
Subtotal			-	-		0.700		-		-		-	0.000	0.700	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		7.000		-		-		-	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0207040F / Multi-Platform Electronic Warfare Equipment					670400 / SPECTRUM WARFARE ATTACK CAPABILITY									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AI for Cog EW																												
Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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
AI for Cog EW				
Development	1	2025	2	2026

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>

COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	107.714	229.857	527.739	0.000	527.739	385.075	303.374	201.385	176.253	Continuing	Continuing
672671: <i>F-16 Squadrons</i>	0.000	107.714	229.857	527.739	0.000	527.739	385.075	303.374	201.385	176.253	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207133F, project 672671, M Code, is a new start.

This program, BA 7, PE 0207133F, project 672671, Next Generation Mission Computer (NGMC), is a new start.

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 810 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 delivers 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 (40/42/50/52) and Pre-Block (30) 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 DoW, 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, Integrated Viper Electronic Warfare Suite (IVEWS), Next Gen Mission Computer (NGMC)- New Start, Engineering Manufacturing and Design (EMD) Hardware/Advanced capability improvements, M-Code, and Diminishing Manufacturing Sources (DMS). Programs complete or nearing full development completion for Advanced Identification Friend or Foe (AIFF-Mode 5) APX-127, Data Bus Cybersecurity, and F-16 Electrical Test Equipment.

The FY2026 spend plan amount for RDT&E includes \$229,857 thousand of discretionary and \$82,500 thousand of mandatory (reconciliation) for a total of \$312,357 thousand. Mandatory funds are for the IVEWS program.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons				
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.						
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		104.252	216.638	0.000	0.000	0.000
Current President's Budget		107.714	229.857	527.739	0.000	527.739
Total Adjustments		3.462	13.219	527.739	0.000	527.739
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	14.800			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		4.908	0.000			
• SBIR/STTR Transfer		-1.446	-1.581			
• Other Adjustments		0.000	0.000	527.739	0.000	527.739
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 672671: F-16 Squadrons						
Congressional Add: Electrical Test Equipment						
Congressional Add Subtotals for Project: 672671						
Congressional Add Totals for all Projects						
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons		
FY2025 adjustment accounts for a 5 million Below Threshold Reprogramming (BTR) for F-16 IVEWS and a -\$92 thousand UPAD adjustment and -\$1.446 million for SBIR FY2026 adjustment accounts for a \$14.8 million Congressional Add for Electrical Testing Equipment and -1.581 million for Sec 8151 SBIR/STTR				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: OFP Updates on all F-16 aircraft		84.742	138.808	180.330
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 (SCU) and post-block (M-Series) software releases. Main thrusts will integrate new precision weapons, advanced targeting pods, and improved avionics to meet DoW 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 (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, IT, support contractors, and to support flight test personnel and equipment in order to keep facilities active.				
FY 2026 Plans: Funding supports the stability resolutions for fielding of M8.2 and creating a second baseline (re-release) for M7.4 for wartime rapid capability fielding to include but not limited to the following candidates: UON Weapon X, JSM, ERAM, LRASM, JDAM-ER, JASSM, SiAW, AARGM-ER, SMDS hardware fielding, advanced processing integration, remote interface panel, MIDS-J Block Upgrade-3 (BU3) insertion, MUOS data addition. Continuing to refractory code for M7.X to M8.X, and modifying SILs, for M7.X baseline to support Software coding validation process. Also supports the completion of the development, test, and fielding of SCU 14.X and begins the development on SCU 15.X 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. 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, JASSM B3, AARGM-ER and SiAW for technology integration for 5th and 6th Gen Fighters (1-3+ year lead-times).				
FY 2027 Plans: Funding supports the fielding of M8.2 and begin the development for M8.3. M8.2 OFP will include 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. Continuing to refractory code for M7.X to M8.X, and modifying SILs, for M7.X baseline to support Software coding validation process. Also supports the completion of the				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
development, test, and fielding of SCU 15.X and begins the development on SCU 16.X 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. 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, JASSM B3, and SiAW for technology integration for 5th and 6th Gen Fighters (2+ year lead-time). FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$41.522M from FY26 to FY27 reflects program increase for Advanced Weapons technology integration for 5th/6th Gen Fighters, includes but not limited to AARGM-ER/SiAW, JASSM, and LRASM (buys, integration, testing). Additionally, increase for testing and fielding M8.2 & SCU 14 and development of M8.3 & SCU 16 along with corresponding SIL upgrades to include stand-up of new capabilities/toolsets, software integration and test equipment buys.				
Title: F-16 Integrated Test Description: F-16 Integrated Test provides Developmental and Operational flight testing (DT/OT) for programs across the USAF. 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 AFB, Edwards AFB, Nellis AFB, and Morris ANGB. 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 2026 Plans: Completion of F-16 SCU 13 OT, SCU 14 DT/OT and M-Series 7.4 re-release DT/OT. Completion of SMDS with A-GCAS DT. Continuation of M8.2.5, M8.2.6 and M8.2.7 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). DT for Brake Controller System (BCS), Advanced Programmable Signal Processor (APSP), and Digital flight Control Computer (DFLCC) power supply. Significant instrumentation re-design and installation for aged Flight Sciences aircraft for SEEK EAGLE DT to enable F-16 SEEK EAGLE		6.497	35.297	25.370

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions) certification requirements DT. Significant weapons and instrumentation buys to include AIM-120 TM, JASSM WPN & TM, GBU-39 FTV, etc. FY 2027 Plans: Continuation of M8.2.7 DT/OT for Rehost of OFP, HRPDG and APX-127(V)1. DT/OT for Support for F-16 OFP SCU 15 and M8.3, 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). Integration of Stand-in Attack Weapon (SiAW). Integration of additional weapons. Integration of Ethernet Switch Upgrade and Sensor Integration Unit (SIU). Integration of advanced radar capabilities. Initial and continued 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 supply. Instrumentation updates for APG-83 and ethernet testing equipment. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease of \$9.927M from FY26 to FY27 reflects adjustment after backlog of weapons and instrumentation buys needed to support test efforts completed in FY26.		FY 2025	FY 2026	FY 2027
Title: Simulator Trainers Program (STP) 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 emerging requirements and short notice issues, ensuring continued alignment with aircraft modernization and training needs. FY 2026 Plans: F-16 STP will support the acquisition, development, fielding, and integration of F-16 Simulators with an FY26 focus on enhancing simulator concurrency with M7.4 re-release and backlog items for AESA 3.3, EDL, IVEWS, JASSM DT, Comm Suite, LDP-C & LDP 2nd PiP, SiAW, AARGM-ER, J-Voice, 3D Audio, CDU Win11, M7.4 Tape 11, ALE/ALR/ALQ EW Updates. These effort ensures warfighter readiness by enabling the USAF to train with the most current F-16 capabilities. FY26 Funds will be used to complete and implement OFP 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 2027 Plans: F-16 STP will support the continued acquisition, development, fielding, and integration of F-16 Simulators with a targeted FY27 focus on enhancing simulator concurrency with AESA 3.4, EDL, IVEWS, JASSM DT, Comm Suite, LDP-C & LDP 2nd PiP,		0.000	5.806	5.822

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
SiAW, AARGM-ER, J-Voice, 3D Audio, CDU Win11, M7.4 Tape 11, ALE/ALR/ALQ EW Updates and supporting M8.2 and advanced weapons integration. This effort ensures warfighter readiness by enabling the USAF to train with the most current F-16 capabilities. FY27 Funds will be used to develop and implement 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 2026 to FY 2027 Increase/Decrease Statement: No significant increase from FY2026 to FY2027				
Title: AIFF Mode 5 Description: AIFF/Mode 5 provides hardware and software/firmware updates required to comply with DoW 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. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.		4.009	1.089	0.000
FY 2026 Plans: Complete Production Readiness Review, Flight Test, and AIMS Certification.				
FY 2027 Plans: N/A - Development Complete				
FY 2026 to FY 2027 Increase/Decrease Statement: N/A - Development will end in FY26				
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.		4.270	21.376	21.940

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
FY 2026 Plans: Complete and field AESA Phase 3.3 software capabilities. 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 2027 Plans: Continued development and testing 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 2026 to FY 2027 Increase/Decrease Statement: Increase of \$0.564M from FY26 to FY27 is minimal, FY27 burn rate expected to be very similar to FY26.				
Title: Integrated Viper Electronic Warfare Suite (IVEWS)		8.196	12.516	96.119
Description: IVEWS began as a Middle Tier Acquisition (MTA) Rapid Prototyping (RP) 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. In Sep 2024, the program exited MTA RP and moved into a Science & Technology (S&T) program. Operational Assessment and additional flight testing were completed in FY25. The IVEWS program is currently preparing to transition to an MCA - Major Capability Acquisition (MCA) ACAT II Program in Q3 FY26.				
FY 2026 Plans: Continuation of Spiral 1 software development, initial Big Iron compliance efforts, EMD Kit Build up for Aircraft #3 and #4, H/W A & B Kit Development, and continued DT/OT.				
FY 2027 Plans: Complete development and Qualification of Spiral 1 Software - Formal Qualification Testing (SFQT), Firmware Formal Qualification Test (FFQT), and Design Verification Testing (DVT).				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Start Spiral 2 Development, Big Iron development and lab demonstrations, Kit Proof installs on Test A/C #3 and #4, and Hardware Qualification.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$83.603M from FY26 to FY27 will move Spiral 1 software to qualification and testing, continue Big Iron development, lab demos, and testing, and start Spiral 2 software development.				
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) 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 2026 Plans: N/A FY 2027 Plans: Funding will start the integration and testing of the R-EGI box into the F-16 platform which includes but is not limited to SIL testing, Software Integration, Flight Testing, and Engineering support to integrate the R-EGI software into the M8 rehost of OFP. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$3.018M from FY26 to FY27 reflects program re-phasing for M Code integration onto the F-16 platform after development delays.		0.000	0.000	3.018
Title: Data Bus Cybersecurity Description: Data Bus 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 2026 Plans: Engineering Services for FY24 Congressional Add that awarded Sep 25. Support required for development of prototypes, to include Group A mechanical, Group A electrical, and Software Integration Lab (SIL) support. FY 2027 Plans:		0.000	0.165	0.000

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
N/A				
FY 2026 to FY 2027 Increase/Decrease Statement:				
N/A				
Title: Next Generation Mission Computer (NGMC) Description: F-16 NGMC is the replacement computer for the F-16 Blk 40/42/50/52 Modular Mission Computer (MMC), providing an efficient path for necessary computational performance to effectively field new capabilities, increase reliability, and performance beyond the current F-16 MMC. Computational upgrades are needed to integrate government-owned, DoW-mandated MOSA hardware/software (HW/SW) and keep pace with or exceed adversary capability development. NGMC will support the current F-16 functional requirements, rehost, execute the legacy MMC Operational Flight Program (OFP), and be FMS compatible. FY 2026 Plans: N/A FY 2027 Plans: NGMC acquisition strategy approval, finalization of requirements, development contract award estimated Q2 FY27, and start of development efforts to include EMD asset buys. Concurrent Organic OFP Development (OO-ALC 309th SWEG) early efforts supporting hardware agnostic architecture and software modules, standup team of software developers/engineers, and purchase of tools/materials/licenses/equipment to build new organic OFP. FY 2026 to FY 2027 Increase/Decrease Statement: Program is a 2027 New Start		-	0.000	195.140
Accomplishments/Planned Programs Subtotals		107.714	215.057	527.739
		FY 2025	FY 2026	
Congressional Add: Electrical Test Equipment FY 2026 Plans: The objective of this project is to update and standardize existing F-16 Test Program Sets (TPS) and Operational Test Program sets (OTPs) for the various F-16 locations. Once the TPSs and OTPs are standardized it will allow the operator to run each efficient test set without additional training. TPSs developed under this effort will serve as the cornerstone to the growing use of the Automated Wire Test Set (AWTS) in the F-16 community.		-	14.800	

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons							
							FY 2025	FY 2026			
The purpose of this effort is to dramatically increase aircraft availability, reduce maintenance costs, extend aircraft life, and reduce in-flight failures.											
Congressional Adds Subtotals							-	14.800			
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item F01600: F-16 Aircraft Modifications	194.805	513.004	0.000	-	0.000	0.000	0.000	-	-	0.000	707.809
• APAF 07 F01600: F-16	0.000	0.000	0.000	-	0.000	0.000	0.000	-	-	0.000	0.000
• APAF 07 Line Item F0160P: F-16 Post Production Support	62.368	18.466	0.000	-	0.000	0.000	0.000	-	-	0.000	80.834
• APAF 06 Line Item F01600: F-16 Initial Spares	77.373	14.615	0.000	-	0.000	0.000	0.000	-	-	0.000	91.988
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, and MIDS-JTRS integration to successfully field with each OFP.											
Integrated Test requires both organic test range support (Edwards AFB, Eglin AFB, Nellis AFB, Morris ANGB) and contract support (Lockheed Martin) for modification integration testing of F-16 programs and subsystems.											
Advanced Identify Friend or Foe (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 Simulators Training Program primarily uses an existing contract with CAE in order to support the development, acquisition, fielding, and integration of F-16 simulators. The primary focus is to allow Simulators to maintain concurrency with the aircraft OFPs developed in the OFP SW Development effort.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons	
IVEWS began as a Middle Tier Acquisition (MTA) Rapid Prototyping program utilizing an Other Transaction Authority (OTA), which was awarded 25 Sep 2019. The Electronic Warfare Radar Frequency Compatibility (EWRFC) contract awarded on 9 Mar 2022 and extended development beyond the OTA with a current period of performance end date of 31 Mar 2027. IVEWS will transition from a Science & Technology Effort to a Major Capability Acquisition (MCA) Acquisitions Category II (ACAT II) program Q3 FY26. The EMD HW/Advanced capability improvements uses various contract types (Cost Plus and Fixed Price). M-Code is managed by AFLCMC/WNY. The development is contracted to Integrated Solutions for Systems (IS4S). NGMC acquisition strategy is in-work, expected to be a competitive contract award in Jan 2027.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons				Project (Number/Name) 672671 / F-16 Squadrons					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Updates on F-16 aircraft	Various	309th SWEG : Hill AFB, UT	-	72.350	Oct 2024	127.926	Oct 2025	169.013	Oct 2026	-		169.013	Continuing	Continuing	-
Next Generation Mission Computer	Various	TBD / 309th SWEG : TBD	-	-		-		195.140	Jan 2027	-		195.140	Continuing	Continuing	-
Simulator Trainers	C/CPAF	CAE : Various	-	-		5.806	Mar 2026	5.822	Mar 2027	-		5.822	Continuing	Continuing	-
AIFF Mode 5	SS/CPAF	BAE : Various	-	4.009	Oct 2024	1.089	Dec 2025	-		-		-	0.000	5.098	-
AESA Radars	C/CPAF	Northrop Grumman : Various	-	4.270	Apr 2025	21.376	Nov 2025	21.940	Nov 2026	-		21.940	Continuing	Continuing	-
IVEWS	C/CPAF	Northrop Grumman : Various	-	8.196	May 2025	12.516	Oct 2025	96.119	Oct 2026	-		96.119	Continuing	Continuing	-
Electrical Test Equipment	TBD	Not specified. : TBD	-	-		14.800	Aug 2026	-		-		-	0.000	14.800	-
Databus Cyber	C/CPAF	Not specified. : TBD	-	-		0.165		-		-		-	0.000	0.165	-
M-Code	Various	AFLCMC/WNY : Various	-	-		-		3.018	Nov 2026	-		3.018	Continuing	Continuing	-
Subtotal			-	88.825		183.678		491.052		-		491.052	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority	Reqn	Various : Various	-	7.357	Oct 2024	7.158	Oct 2025	7.444	Oct 2026	-		7.444	Continuing	Continuing	-
Subtotal			-	7.357		7.158		7.444		-		7.444	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Test	Various	Various : Various	-	6.497	Jun 2025	35.297	Apr 2026	25.370	Nov 2026	-		25.370	Continuing	Continuing	-
Subtotal			-	6.497		35.297		25.370		-		25.370	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons						Project (Number/Name) 672671 / F-16 Squadrons			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Mgmt Administrative (PMA) Support	Various	Various : Various	-	5.035	Feb 2025	3.724	Feb 2026	3.873	Feb 2027	-		3.873	Continuing	Continuing	-
Subtotal			-	5.035		3.724		3.873		-		3.873	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	107.714		229.857		527.739		-		527.739	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207133F / <i>F-16 Squadrons</i>	Project (Number/Name) 672671 / <i>F-16 Squadrons</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>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 2 M8.2 Flight Testing																												
Integrated Test - OFP Inc 2 M7.4 (Re-release) Flight Testing																												
Integrated Test - OFP Inc 2 M8.3 Flight Testing																												
Integrated Test - OFP Inc 3 M8.4 Flight Testing																												
Integrated Test - OFP Inc 3 M8.5 Flight Testing																												
Integrated Test - OFP Inc 3 M8.6 Flight Testing																												
Integrated Test - AIFF Mode 5 Flight Testing																												
Integrated Test - IVEWS Flight Testing																												
Integrated Test - OFP Inc 2 SCU 12/13 Flight Testing																												
Integrated Test - OFP Inc 2 SCU 14 Flight Testing																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																	Date: April 2026											
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)										
3600 / 7										PE 0207133F / F-16 Squadrons								672671 / F-16 Squadrons										
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integrated Test - OFP Inc 2 SCU 15 Flight Testing																												
Integrated Test - OFP Inc 2 SCU 16 Flight Testing																												
Integrated Test - Flight Sciences Aircraft Recapitalization																												
Simulators Concurrency Development M8.2																												
Simulators Concurrency Development M7.4 Re-Release																												
Simulators Concurrency Development M8.3																												
OFP Inc 2 M8.1 Flight Test Only																												
OFP Inc 2 M7.4 (Re-release w/ UON & add'l capabilities)																												
OFP Inc 2 M8.2 Fielding																												
OFP Inc 2 M8.3 Fielding																												
OFP Inc 2 LRASM Weapons Buy, Integration, Test																												
OFP Inc 2 SiAW Weapons Buy, Integration, Test																												
OFP Inc 2 AARGM-ER Weapons Buy, Integration, Test																												
OFP Inc 2 JASSM Weapons Buy, Integration, Test																												
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																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force																	Date: April 2026											
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)										
3600 / 7										PE 0207133F / F-16 Squadrons								672671 / F-16 Squadrons										
	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AIFF Mode 5 Stage 3 Temp Radio Frequency Authorization	■																											
AIFF Production Readiness Review						■																						
AIFF Mode 5 Formal Ground & Flight Test Blk 40 (OT&E)							■																					
AIFF Mode 5 AIMS Platform Level Cert								■																				
OFP Inc 2 SCU 12/13 OFP Fielding (Inc 2)					■																							
OFP Inc 2 SCU 14 Fielding							■																					
OFP Inc 3 SCU 15 Fielding										■																		
OFP Inc 3 SCU 16 Fielding															■													
NGMC Development Contract Award																												
NGMC SIL Testing																												
NGMC DT&E																												
NGMC OT&E																												
IVEWS Spiral 1 development and qualification testing																												
IVEWS Formal Qualification Testing																												
IVEWS Firmware Formal Qualification Testing																												
IVEWS Design Verification Testing																												
IVEWS Spiral 1 Lab Demo (BIG IRON)																												
IVEWS Big Iron Continued Development																												
IVEWS EMD Kit Proof																												
IVEWS Hardware Qualification Testing																												
IVEWS Spiral 2 Software Development																												
M Code Integration Asset Buys																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 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	2025	1	2026
AESA Radar OFP Capability Development 3.4	2	2026	3	2028
Integrated Test Activities	1	2025	4	2031
Integrated Test - AESA Radar OFP 3.3 Testing	1	2025	3	2026
Integrated Test - AESA Radar OFP 3.4 Testing	3	2026	3	2028
Integrated Test - OFP Inc 2 M8.2 Flight Testing	1	2026	1	2027
Integrated Test - OFP Inc 2 M7.4 (Re-release) Flight Testing	1	2026	3	2026
Integrated Test - OFP Inc 2 M8.3 Flight Testing	3	2027	1	2028
Integrated Test - OFP Inc 3 M8.4 Flight Testing	2	2028	1	2029
Integrated Test - OFP Inc 3 M8.5 Flight Testing	2	2029	1	2030
Integrated Test - OFP Inc 3 M8.6 Flight Testing	3	2030	2	2031
Integrated Test - AIFF Mode 5 Flight Testing	3	2025	2	2026
Integrated Test - IVEWS Flight Testing	1	2025	4	2027
Integrated Test - OFP Inc 2 SCU 12/13 Flight Testing	1	2025	1	2026
Integrated Test - OFP Inc 2 SCU 14 Flight Testing	3	2025	1	2026
Integrated Test - OFP Inc 2 SCU 15 Flight Testing	2	2026	1	2027
Integrated Test - OFP Inc 2 SCU 16 Flight Testing	2	2027	1	2028
Integrated Test - Flight Sciences Aircraft Recapitalization	2	2025	3	2031
Simulators Concurrency Development M8.2	1	2026	3	2027
Simulators Concurrency Development M7.4 Re-Release	2	2026	4	2027
Simulators Concurrency Development M8.3	2	2026	3	2028
OFP Inc 2 M8.1 Flight Test Only	2	2026	2	2026

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0207133F / F-16 Squadrons

Project (Number/Name)

672671 / F-16 Squadrons

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
OFP Inc 2 M7.4 (Re-release w/ UON & add'l capabilities)	4	2026	4	2026
OFP Inc 2 M8.2 Fielding	3	2027	3	2027
OFP Inc 2 M8.3 Fielding	3	2028	3	2028
OFP Inc 2 LRASM Weapons Buy, Integration, Test	3	2026	3	2028
OFP Inc 2 SiAW Weapons Buy, Integration, Test	4	2026	1	2028
OFP Inc 2 AARGM-ER Weapons Buy, Integration, Test	1	2027	1	2030
OFP Inc 2 JASSM Weapons Buy, Integration, Test	3	2027	3	2029
AIFF Mode 5 Flight Test	2	2025	2	2026
AIFF Mode 5 AIMS Certification OFP #4	1	2025	4	2026
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 Production Readiness Review	2	2026	2	2026
AIFF Mode 5 Formal Ground & Flight Test Blk 40 (OT&E)	3	2026	3	2026
AIFF Mode 5 AIMS Platform Level Cert	4	2026	4	2026
OFP Inc 2 SCU 12/13 OFP Fielding (Inc 2)	1	2026	1	2026
OFP Inc 2 SCU 14 Fielding	3	2026	3	2026
OFP Inc 3 SCU 15 Fielding	3	2027	3	2027
OFP Inc 3 SCU 16 Fielding	3	2028	3	2028
NGMC Development Contract Award	2	2027	4	2031
NGMC SIL Testing	2	2028	3	2028
NGMC DT&E	2	2029	1	2030
NGMC OT&E	2	2030	4	2030
IVEWS Spiral 1 development and qualification testing	3	2026	1	2028
IVEWS Formal Qualification Testing	3	2027	4	2027
IVEWS Firmware Formal Qualification Testing	2	2027	3	2027

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons	Project (Number/Name) 672671 / F-16 Squadrons	

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
IVEWS Design Verification Testing	4	2027	1	2028
IVEWS Spiral 1 Lab Demo (BIG IRON)	3	2026	1	2027
IVEWS Big Iron Continued Development	1	2027	2	2028
IVEWS EMD Kit Proof	3	2027	4	2027
IVEWS Hardware Qualification Testing	3	2026	2	2027
IVEWS Spiral 2 Software Development	2	2027	4	2031
M Code Integration Asset Buys	3	2027	3	2027

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	138.345	229.946	322.889	0.000	322.889	149.269	170.063	171.118	157.118	Continuing	Continuing
676020: <i>F-15 Modernization</i>	0.000	138.345	229.946	322.889	0.000	322.889	149.269	170.063	171.118	157.118	Continuing	Continuing

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.

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

This program element 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.

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	158.603	233.018	0.000	0.000	0.000
Current President's Budget	138.345	229.946	322.889	0.000	322.889
Total Adjustments	-20.258	-3.072	322.889	0.000	322.889
• 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	-14.999	0.000			
• SBIR/STTR Transfer	-5.259	-3.072			
• Other Adjustments	0.000	0.000	322.889	0.000	322.889

Change Summary Explanation

FY2025 adjustment for -\$14.999 million below threshold reprogramming to the PNT effort; -\$5.259 million for SBIR

FY2026 adjustment for -\$3.072 million for Sec 8151 SBIR/STTR

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

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons				Project (Number/Name) 676020 / F-15 Modernization			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676020: F-15 Modernization	0.000	138.345	229.946	322.889	0.000	322.889	149.269	170.063	171.118	157.118	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

F-15 Modernization development efforts continue advancing the F-15E and F-15EX weapon system IAW the National Defense Strategy (NDS), ensuring the fleet will meet urgent and future capability needs, as well as complement 5th and 6th-generation platforms by bringing substantial long range fire, sensor, electronic warfare (EW) and beyond line of sight capabilities underpinning the Long Range Kill Chain. The programs below provide the F-15E/EX fleet with electronic protection (EP) and electronic attack (EA) improvements, defensive and offensive capabilities for advanced standoff, threat and vulnerability mitigation, continued nuclear mission certification, integration of new and upgraded weapons, and improvements in long range and beyond line of sight (BLOS) communications.

Operational Flight Program (OFP) funding provides ongoing software and hardware upgrades needed to meet and defeat emergent threats; integrate and fully exploit new and evolving weapons, offensive and defensive avionics and sensor capabilities, support continued nuclear certification and to continually innovate and improve integration of aircraft subsystems. Funds also provide for resolution of emergent safety of flight issues, 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 and improvements within F-15 Mission Planning.

The OFP program uses a Continuous Development and Integration (CD&I) framework to deliver annual software OFP releases developed via agile development principals. This approach has demonstrated the ability to combat the speed of adversary technology evolution ensuring the F-15 maintains a competitive advantage. At any one time there are up to three OFP upgrades in work: one in requirements definition, one in code development, 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) continue upgrading 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.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 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.					
Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Title: Operational Flight Program (OFP) Development Efforts			112.162	136.024	225.001
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 2026 Plans: Funding continues OFP development to improve warfighting capabilities for the F-15 fleet; fixes problems with OFP Release 25; updates F-15 common OFP to include the latest capabilities for highly contested environment, weapons including HACM, LRASM, FALCO, sensor systems including IRST integration, Eagle Passive Active Warning Survivability System (EPAWSS), and radar and sensors integration. Initiates planned updates to F-15 training systems to bring concurrent with the F-15 fleet by 4Q FY2027. 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 2027 Plans: Funding continues OFP development efforts improving war-fighting capabilities for the F-15E and the added capabilities of the F-15EX fleet. Addresses emergent needs for Long Range Kill Chain and Collaborative Combat Aircraft missions. Integrates new or improved capabilities enhancing the F-15's ability to engage in highly contested environments, such as Beyond Line-of-Sight					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
comms, high speed data transfer, overall connectivity, and open mission systems required for LRKC and CCA. Funding also supports improvements in electronic battle management, joint mission planning, and net enabled weapons. Continues to address the capability concurrency gap between F-15 training systems and the F-15 operational fleet to be reflective and incorporate relevant capabilities present in the OFP. Funding continues the growth of a public-private-partnership between Boeing and the Government to develop OFP organic software code for the F-15.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased to rapidly integrate new capabilities, counter emerging threats, ensure aircrew safety and mission effectiveness, and maintain the F-15's competitive edge and operational readiness by supporting ongoing development, testing, and integration of critical updates.				
Title: Flight Test		18.867	39.694	38.002
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.				
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, on-site avionics integration and 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.				
FY 2027 Plans: Continue development for test fleet upgrades to meet DT & OT requirements. FY 2027 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.				
FY 2026 to FY 2027 Increase/Decrease Statement:				

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>		Project (Number/Name) 676020 / <i>F-15 Modernization</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Funding decreased due to divestment strategies tied to loaner test aircraft.					
Title: F-15 Radar Enhancements (RE)			7.316	8.278	8.976
Description: Improves F-15 radar capabilities. This includes technical and acquisition related studies as well as future capability enhancements.					
FY 2026 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.					
FY 2027 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.					
FY 2026 to FY 2027 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.					
Title: GPS M-Code / R-EGI			0.000	23.780	37.330
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.					
FY 2026 Plans: 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 2027 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / <i>F-15E Squadrons</i>	Project (Number/Name) 676020 / <i>F-15 Modernization</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
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.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Increase in funds for continuation of non-recurring engineering and software integration efforts.			
<i>Title:</i> Eagle Tether	0.000	22.170	13.580
<i>Description:</i> 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.			
<i>FY 2026 Plans:</i> 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)			
<i>FY 2027 Plans:</i> Continue to 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)			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Non-recurring engineering begins to ramp down as program nears test jet install and flight test.			
Accomplishments/Planned Programs Subtotals	138.345	229.946	322.889

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• APAF F015EX: <i>F-15EX</i>	1,808.472	115.000	2,656.716	-	2,656.716	2,758.000	3,262.510	4,535.950	4,762.750	0.000	19,899.398
• RDTE 07 0207146F: <i>F-15EX</i>	54.875	117.715	133.274	-	133.274	143.358	238.081	249.897	358.474	0.000	1,295.674
• APAF 07 000075: <i>Other Production Charges - EX</i>	38.881	-	51.213	-	51.213	40.961	-	-	-	0.000	131.055
• APAF 05 F015EX: <i>F-15EX</i>	-	-	214.176	-	214.176	202.119	545.130	319.650	335.640	0.000	1,616.715
• APAF 06 F015EX: <i>F-15 EX</i>	-	-	-	-	-	81.550	322.260	435.060	456.800	0.000	1,295.670

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons				Project (Number/Name) 676020 / F-15 Modernization			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 07 000075 (5)...: Other Production Charges - F-15E Squadrons	12.876	17.903	100.688	-	100.688	1.781	-	-	-	0.000	133.248
• APAF 05 Line Item F01500: F-15 Modification of In- Service Aircraft, PEs 0207130, 0207134, 0207445, 0809731	39.760	120.044	157.628	-	157.628	133.553	128.518	87.100	88.842	0.000	755.445
• APAF 06 Line Item 000999: Initial Spares/Repair Parts (BP16)	2.861	19.327	39.016	-	39.016	18.428	24.234	19.131	19.514	0.000	142.511
• APAF 07 Line Item F0150P: F-15 Post Production Support	-	5.112	-	-	-	-	-	-	-	0.000	5.112
Remarks											
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 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons	Project (Number/Name) 676020 / F-15 Modernization

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Suite 8/9/CD&I Development and Test	SS/ Various	Boeing : St Louis, MO	0.000	104.686	Jan 2025	129.263	Dec 2025	217.724	Dec 2026	-		217.724	Continuing	Continuing	-
F-15 Radar Enhancement	SS/ Various	Boeing : St Louis, MO	0.000	6.404	Jan 2025	7.987	Dec 2025	8.976	Dec 2026	-		8.976	Continuing	Continuing	-
GPS M-Code	SS/ Various	Boeing : St Louis, MO	0.000	-		22.898	Oct 2025	37.330	Oct 2026	-		37.330	Continuing	Continuing	-
F-15 Eagle Tether	TBD	Not specified. : TBD	0.000	-		20.406	Oct 2025	12.810	Oct 2026	-		12.810	Continuing	Continuing	-
Subtotal			0.000	111.090		180.554		276.840		-		276.840	Continuing	Continuing	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 DoW entities vary by effort.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority	Allot	Various : Various	0.000	1.142	Oct 2024	3.240	Oct 2025	3.047	Oct 2026	-		3.047	Continuing	Continuing	-
Subtotal			0.000	1.142		3.240		3.047		-		3.047	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test Support	Various	Various : Various	0.000	13.446	Apr 2025	26.606	Apr 2026	21.862	Mar 2027	-		21.862	0.000	61.914	-
Contractor Test Support	SS/CPFF	Boeing : St. Louis, MO	0.000	5.000	May 2025	11.690	May 2026	14.140	Mar 2027	-		14.140	Continuing	Continuing	-
Subtotal			0.000	18.446		38.296		36.002		-		36.002	Continuing	Continuing	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 DoW entities vary by effort.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons						Project (Number/Name) 676020 / F-15 Modernization			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Mgt Support Costs	Various	Various : Various	0.000	7.667	Dec 2024	7.856	Dec 2025	7.000	Dec 2026	-		7.000	Continuing	Continuing	-
Subtotal			0.000	7.667		7.856		7.000		-		7.000	Continuing	Continuing	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 DoW entities vary by effort.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	138.345		229.946		322.889		-		322.889	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207134F / F-15E Squadrons					Project (Number/Name) 676020 / F-15 Modernization									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
F-15																												
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 2027 Air Force			Date: April 2026
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 CD&I Release 25	1	2025	4	2025
OFP CD&I Release 26	1	2025	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	2025	4	2031
Data Transfer Module II: EMD	1	2025	1	2025
GPS M-Code	2	2025	4	2028
Eagle Tether Development and Integration	2	2026	2	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207136F I Manned Destructive Suppression							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	12.119	15.309	8.128	0.000	8.128	13.132	13.489	13.839	19.250	Continuing	Continuing
674595: F-16 HARM Targeting Sys	0.000	12.119	15.309	8.128	0.000	8.128	13.132	13.489	13.839	19.250	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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. The AN/ASQ-213 Pod also 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207136F I Manned Destructive Suppression				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	13.855	17.680	0.000	0.000	0.000	
Current President's Budget	12.119	15.309	8.128	0.000	8.128	
Total Adjustments	-1.736	-2.371	8.128	0.000	8.128	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	-1.912				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	-1.300	0.000				
• SBIR/STTR Transfer	-0.436	-0.459				
• Other Adjustments	0.000	0.000	8.128	0.000	8.128	
Change Summary Explanation						
FY2025 adjustment of -\$1.736 million a result of a Below Threshold Reprogramming (BTR) for -1.300 million for FAWAP program and -\$0.436 for SBIR						
FY2026 adjustment of -\$2.371 million consists of -\$1.912 million for congressional reduction for Program carryover and -\$0.459 for Sec 8151 for SBIR/STTR						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: P3I R7 Software Upgrade (SWUP)				10.019	13.209	6.028
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 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 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207136F <i>I Manned Destructive Suppression</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
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 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to final planned software release. The pod's physical memory is at capacity. Funding is decreasing while still ensuring software sustainment efforts are executable.				
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 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 2027 Plans: This funding includes baselining requirements from actual test data during recent flight testing. Funds are to be maintained for ad hoc releases. FY 2026 to FY 2027 Increase/Decrease Statement: No increase or 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 2026 Plans: Continued mission planning in support of SWUP 4 efforts and other future SWUP requirements. FY 2027 Plans: Continued mission planning in support of software sustainment efforts and other future SWUP requirements. FY 2026 to FY 2027 Increase/Decrease Statement: No increase or decrease		0.900	0.900	0.900
Accomplishments/Planned Programs Subtotals		12.119	15.309	8.128

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207136F I Manned Destructive Suppression	
D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy 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 initial SWUP 4 EMD contract awarded in July 2021 for four months with three one year options. SWUP 4 concluded in November 2025, resulting in the final HTS software release, V 7.8802. Continuing software updates will be via contract to ensure bug fixes and ad hoc patches are developed, released, and fielded as needed.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207136F / Manned Destructive Suppression				Project (Number/Name) 674595 / F-16 HARM Targeting Sys					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
HTS R7 SWUP/P3I	SS/CPFF	Raytheon Systems Co. : Tucson, AZ	-	7.769	Nov 2024	10.959	Nov 2025	3.778	Nov 2026	-		3.778	Continuing	Continuing	-
JMPS	SS/CPIF	Multiple : Multiple	-	0.900	May 2025	0.900	May 2026	0.900	May 2027	-		0.900	Continuing	Continuing	-
Subtotal			-	8.669		11.859		4.678		-		4.678	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Test	PO	412 and 96 TW, NAWCWD : Edwards,Eglin, CLake	-	1.200	Nov 2024	1.200	Nov 2025	1.200	Nov 2026	-		1.200	Continuing	Continuing	-
Subtotal			-	1.200		1.200		1.200		-		1.200	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	C/Various	Multiple : Robins AFB	-	2.250	Mar 2025	2.250	Mar 2026	2.250	Mar 2027	-		2.250	Continuing	Continuing	-
Subtotal			-	2.250		2.250		2.250		-		2.250	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	12.119		15.309		8.128		-		8.128	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0207136F / Manned Destructive Suppression										Project (Number/Name) 674595 / F-16 HARM Targeting Sys									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Manned Destructive Suppression																												
Continuous SWUP development																												
Future SWUP Risk Reduction																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031
Future SWUP Risk Reduction	2	2025	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	733.581	813.987	950.375	0.000	950.375	986.192	840.331	807.847	768.015	0.000	5,900.328
674785: F-22	0.000	733.581	813.987	950.375	0.000	950.375	986.192	840.331	807.847	768.015	0.000	5,900.328
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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.

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

In Oct 2025, the F-22 Software Pathway Acquisition Program was stood up. Programs that previously included OFP software requirements transitioned those requirements to the F-22 Software Pathway Program and major thrust Software Pathway for Enabling Expedited Deliveries (SPEED) beginning with FY2026 requirements.

The total cost of the F-22 Sensor Enhancement Rapid Fielding (RF) Middle Tier of Acquisition (MTA) effort is \$1,801.7 million, including RDT&E and procurement of prototype units. The F-22 Sensor Enhancement RF MTA program is fully funded across the Future Years Defense Program.

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

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	758.754	852.332	0.000	0.000	0.000	
Current President's Budget	733.581	813.987	950.375	0.000	950.375	
Total Adjustments	-25.173	-38.345	950.375	0.000	950.375	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	-34.114				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	5.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	-5.000	0.000				
• SBIR/STTR Transfer	-20.173	-9.231				
• Other Adjustments	0.000	0.000	950.375	0.000	950.375	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
FY2025 adjustments of -20.173 million for SBIR and -5.000 million Below Threshold Reprogramming to the F-16 Squadrons.						
FY2026 adjustments for +5.000 million for full authority digital engine control; -\$34.114 million ahead of need; -\$9.231 million for Sec 8151 SBIR/STTR						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Infrastructure				233.049	324.109	325.286
Description: This major thrust is comprised of but not limited to: Combined Test Force (CTF), Laboratory Test and Operations (LTO), F-22 Small Projects, 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 (OFP), 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 (AFB), 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 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.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
The F-22 In-a-Box (IAB) is a software instance of F-22 Pilot Vehicle Interface (PVI), and Operational Flight Programs (OFP) designed to operate within the Joint Simulation Environment (JSE), enabling high-fidelity Developmental Test (DT)/Occupational Test (OT) activity to augment live-fly test scenarios and provides high-fidelity joint training capability on a scalable platform. 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. 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, DT weapon assets, weapons, Pilot Training (PT), 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. 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. 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 (Operations and Maintenance 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. RDT&E funding within Infrastructure may be used to improve RAM on F-22 test aircraft as part of the overarching F-22 RAMP effort. Program mission support costs are included in this major thrust. FY 2026 Plans: Provide support to the System Integration Laboratories (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 Identify Friend or Foe Challenge (IFFC),				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Link 16, Tech Enabler Raptor Cloud Compute Services (TERCCS), Sensor Systems and Advanced Technology Development (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 Developmental Test (DT) weapon assets, threat modeling support, test support, DT aircraft modifications, cyber security, End Cryptographic Unit (ECU) Upgrade, engine enhancements, instrumentation and crowd sourced flight data system, Diminishing Manufacturing Sources and Material Shortages (DMSMS) development, Tech Enabler Raptor 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. Provide development and integration activities to produce a F-22 In-a-Box (IAB) product that can meet both test and training requirements in a high fidelity, life-like environment. FY 2027 Plans: Provide support to the System Integration Laboratories (SILs) for faster testing and assessment of F-22 enhancements. Continue to update critical systems required to support new aircraft configurations and capabilities. Continue Lab test planning using agile methods for all F-22 Acquisition Categories (ACAT) programs. 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, DMSMS 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 IAB product that can meet both test and training requirements in a high fidelity, life-like environment. Continue maturing agile software and hardware development best practices and tools to increase the speed and quality of product delivery to the warfighter. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$1.177 million from FY2026 to FY2027 reflects design and delivery of multiple sets of special test equipment required for capability upgrades and OFP air worthiness certification. In addition, it supports the test aircraft modifications, and increased capacity and throughput for labs and test operations, improving quality and accelerating capability delivery.				
Title: Advanced Technology Development (ATD) Description: Technology maturation, risk reduction, studies, demonstrations and prototypes of classified F-22 development efforts. The F-22 ATD program is conducted using a rapid acquisition construct allowing the F-22 Raptor enterprise to develop,		41.448	21.187	26.724

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions) test, and field software/hardware from various programs (product lines) leveraging the scheduled release cadence for capabilities as they mature. 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 high-bandwidth beyond-line-of-sight satellite communications, assessments of emerging systems and tactics development, and system hardware development and testing. Project Geyser+ continued flight demonstrations to support technology maturation and continued hardware design analysis to inform production configuration and integration requirements for Engineering and Manufacturing Development (EMD). FY 2027 Plans: Complete development of high-bandwidth beyond-line-of-sight demonstration satellite communications capabilities. Continue annual, on-going, technology maturation, development and risk reduction projects in support of various F-22 development efforts. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$5.537 million from FY2026 to FY2027 reflects the increase of high-bandwidth beyond-line-of-sight demonstration satellite communications capabilities work, and furthering technology maturation testing activity.		FY 2025	FY 2026	FY 2027
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 sensor capabilities. Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust for FY2026 and FY2027. FY 2026 Plans: Continue Sensor Enhancements software and hardware integration. Receive Developmental Test/Operational Test (DT/OT) assets, begin flight test on F-22's flying test bed in 3QFY2026, and begin DT/OT flight test on the F-22 in 4QFY2026. Continue technology maturation and complete the manufacturing readiness assessment. FY 2027 Plans: Continue Sensor DT/OT flight test. Receive remaining DT/OT test assets and support equipment for use during testing to inform maintenance planning and logistic support. DT/OT testing expected to complete and support a Release 6 fielding decision in 4QFY2027. Complete transition of remaining manufacturing activities from the EMD facilities to the production facilities. FY 2026 to FY 2027 Increase/Decrease Statement:		129.486	103.552	106.712

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Increase of \$3.160 million from FY2026 to FY2027 reflects continued development and integration as Developmental Test/Operational Test (DT/OT) flight test activities continue through FY2027.				
Title: Controlled Reception Pattern Antenna (CRPA)/Anti-Jam Global Positioning System (GPS) Antenna Description: In accordance with Capability Development Guidance Memorandum (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/Anti-Jam Global Positioning System (GPS) Antenna provides advanced antenna technologies which will dramatically reduce an adversary's ability to jam or otherwise interfere with GPS signals. Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust for FY2026 and FY2027. FY 2026 Plans: Hardware corrective action effort is being worked to mitigate service life issues with a projected completion date of July 2026. Complete corrective action and service life retest in 4QFY2026. Research, Test, and mature alternate GPS Anti-Jam solutions. FY 2027 Plans: Continue the development and procurement of integration hardware for Anti-Jam GPS solutions. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease of \$1.098 million from FY2026 to FY2027 is attributable to the program's reduction in Engineering and Manufacturing Development (EMD) activities in preparation for procurement efforts.		19.816	3.445	2.347
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 Air Force 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. Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the SPEED major thrust for FY2026 and FY2027. FY 2026 Plans:		2.850	2.680	6.792

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
F-22 will begin aircraft and Flying Test Bed (FTB) Group A design efforts to support Embedded Global Positioning System (GPS)/ Inertial Navigation System (INS) Modernization (EGI-M) integration. F-22 will start integrating EGI-M Engineering Development Models (EDM) into the Vehicle System Simulator (VSS).				
FY 2027 Plans: F-22 will begin heads up display/integrated control panel (HUD/ICP) Software Development, begin Aircraft Group A engineering for Developmental Test (DT) / Occupational Test (OT) aircraft, and begin integrating hardware into the FTB. Hardware integration Vehicle System Simulator (VSS) will complete prior to starting the Agile Integration Laboratory (AIL) and Ogden Test Enterprise (OTE) integration in FY2028.				
FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$4.112 million from FY2026 to FY2027 is attributable to the ramp up of efforts in accordance with planned Engineering and Manufacturing Development (EMD) activities.				
Title: Link 16 (L16) and Open System Architecture (OSA) Increment II Improvements		74.420	0.000	0.000
Description: Develop, enhance, and field Link-16, Open System Architecture (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.				
In FY2026, Link-16 transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust. Development and integration activities related to Link-16 are ongoing and documented under the SPEED major thrust.				
FY 2026 Plans: FY2026 plans are documented in the F-22 SPEED major thrust.				
FY 2027 Plans: FY2027 plans are documented in the F-22 SPEED major thrust.				
FY 2026 to FY 2027 Increase/Decrease Statement: Documented in the F-22 SPEED major thrust.				
Title: Mode 5 Identify Friend or Foe Challenge (IFFC)		45.105	10.251	9.240
Description: Mode 5 IFFC is a Joint Requirements Oversight Council-mandated Blue Force identification capability that improves Raptor survivability, reduces fratricide risk Department of War wide, and the Mode 5 IFFC capability incorporates new and updated hardware and software to add a new waveform, new cryptography, and additional data.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions) Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust for FY2026 and FY2027. FY 2026 Plans: Finalize software development, integration, and lab testing of select Mode 5 classified enabler capabilities. Complete integration and validation activities of Mode 5 Identify Friend or Foe Challenge (IFFC) circuit cards and crypto cards hardware. Complete hardware modification and integration activities on test aircraft. Continue Mode 5 IFFC flight testing activities in conjunction with Raptor Operational Flight Program flight testing. Continue spectrum certification activities to obtain a Stage 4 (operational) Radio Frequency Authorization (RFA) for Mode 5 Identify Friend or Foe (IFF) operations on Combat Air Forces (CAF) aircraft. FY 2027 Plans: Continue Mode 5 IFFC flight testing activities in conjunction with Raptor OFP. Continue spectrum certification activities to obtain a Stage 4 (operational) RFA for Mode 5 IFF operations on CAF aircraft. Perform hardware support activities to include troubleshooting and defect resolution as needed in conjunction with Release 6 fielding. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease of \$1.011 million from FY2026 to FY2027 is due to decreased Engineering and Manufacturing Development (EMD) requirements in FY2027.		FY 2025	FY 2026	FY 2027
Title: Low Drag Tanks and Pylons (LDTP) 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 Advanced Technology Development (ATD) major thrust. Documentation of the development and integration components as part of the EMD program is captured under the LDTP major thrust. Starting in the 27 PB, OFP software was transitioned to the SPEED major thrust for FY2026 and FY2027. FY 2026 Plans: Continued Flight Test for LDTP to Threshold envelope. Verification and Validation of Weapon Separation and Jettison, and lightning testing. Stress analysis testing completion and documentation. Support of software Release Testing. Developmental Test (DT) / Occupational Test (OT) efforts to continue to support certification of ground and flight test to gain air worthiness approval. FY 2027 Plans:		74.666	54.976	33.980

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continued deliveries of Tanks and Pylons test assets. Continue Weapon Separation and Jettison testing to support Developmental Test (DT) / Occupational Test (OT) efforts. Begin final certification efforts for flight testing. Continue full Pylon qualification efforts. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease of \$20.996 million from FY2026 to FY2027 is attributable to the program's completion of testing and certification efforts, as well as ramping down Engineering and Manufacturing Development (EMD) activity as the program moves further into the production phase.				
Title: Viability Description: Viability includes the Infrared Defensive Suite (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 Advanced Technology Development (ATD) major thrust. Documentation of the development and integration components as part of the EMD program will be captured under the Viability major thrust. Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust for FY2026 and FY2027. FY 2026 Plans: Continued Infrared Defensive System (IRDS) group A and group B test asset purchases and development and operation testings. Continue engineering and design activities and software integration development. Continue risk reduction efforts for Geyser+ that were previously initiated in ATD. Geyser+'s EMD objectives during this period include qualification of supplier hardware and group A and B design completion. Procurement of long-lead test hardware kits to support test fleet integration and software design and testing to support increment 1 integration. FY 2027 Plans: Continue IRDS group A and group B test asset development and operations. Continue IRDS engineering and design activities. Continue Geyser+'s EMD program activities. Geyser+'s EMD objectives during this period include supplier and integration		104.067	55.933	109.557

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
hardware development, group A and B design completion, long-lead procurement of test hardware kits to support test fleet integration, and preparation for lab testing support increment 1 integration. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$53.624 million from FY2026 to FY2027 reflects increased development and test hardware for Infrared Defensive System (IRDS) and Geyser+. Purchasing tier III lab assets to support Ogden Test Evaluation Labs, Avionics Integration Lab, Flying Test Bed, and additional test equipment required for airworthiness certification of the new Open Computer Environment (OCE) cards.				
Title: Cryptographic Modernization 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 ultra-high frequency (UHF) Radio for North Atlantic Treaty Organization (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 Chairman of the Joint Chiefs of Staff Instruction-6510.02D and in accordance with guidance from the National Cryptographic Solution Management Office (NSCMO), dated August 2020. Starting in the 27 PB, Operational Flight Program (OFP) software was transitioned to the Software Pathway for Enabling Expedited Deliveries (SPEED) major thrust for FY2026 and FY2027. FY 2026 Plans: FY2026 efforts will include the commencement and ramp up into Engineering and Manufacturing Development (EMD) program activities for the SATURN and TSVCIS solutions. These efforts include the development of new Communication, Navigation, and Identification (CNI) modules and new KOV-28A cryptographic module to enable it to handle the increased processing power required with the implementation of the full National Security Agency (NSA) mandates. Work also includes the consolidation of the current CNI rack to provide growth space for current and future communication and cryptographic upgrades such as, but not limited to Open Radio Architecture (ORA) Provisioning. SATURN / TSVCIS will continue working with the NSA to ensure certification requirements are met. FY 2027 Plans: FY2027 efforts will include further development of hardware for the cryptographic modernization program. As the SATURN, TSVCIS, and ORA provisioning work continues to mature, module level testing for the hardware will begin. As the development of the KOV-28A crypto progresses, coordination with the NSA on cryptographic certification will continue. FY 2026 to FY 2027 Increase/Decrease Statement:		0.000	16.295	49.018

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207138F / <i>F-22A Squadrons</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Increase of \$32.723 million from FY2026 to FY2027 reflects the ramp up of group A design, Group B design, and procurement of Engineering and Manufacturing Development (EMD) assets that include but are not limited to Open Systems Architecture Interface (OSIF) circuit cards.				
Title: Hybrid Satellite Communication (SATCOM) 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. This program has been separated into its own major thrust from Viability beginning in FY2026. FY 2026 Plans: Continue risk reduction efforts and initiate activities for the EMD phase of the Hybrid SATCOM program. Key objectives include the continued design of group A and B to support Hybrid SATCOM Phase 1 and software development to support Hybrid SATCOM Phase 1. FY 2027 Plans: Continue design integration requirements and begin lab/developmental test activities. FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$21.407 million from FY2026 to FY2027 reflects completion of EMD hardware purchases in FY2026 and beginning of development/testing activity in FY2027.		0.000	15.410	36.817
Title: Software Pathway for Enabling Expedited Deliveries (SPEED) Description: This program includes, but is not limited to managing, developing, and delivering improved system software and firmware through the F-22 agile development pipeline. The program scope includes design, development, and delivery of advanced next-generation capabilities through the F-22 Operational Flight Program (OFP) as well as subsystem firmware, limited Specialty Test Equipment, the Helmet Mounted Display Cueing System (HMDCS), Link-16 software capabilities, and the F119 Engine OFP. 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 ground-to-air targets during the day and at night. This is not a new start. Beginning in FY2026, this program consolidates F-22 software efforts previously identified under individual capability major thrusts. FY 2026 Plans:		8.674	206.149	243.902

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027		
FY2026 plans include the fielding of Raptor Release 5, the SPEED Minimum Viable Content Release, as well as HMDCS Engineering and Manufacturing Development (EMD) program activities including the initiation of software development, enhancements, firmware upgrades, integration, test, and incremental upgrade activities with work on 2-way communication for system cueing. Begin contracting actions and procurement of HMDCS EMD kits. Begin ejection safety qualification effort at the Holloman AFB High Speed Test Track for HMDCS. Plans also include Link 16 continued development, integration, and test for Classified Capability 1, initiate development and integration of an Open System Architecture (OSA) infrastructure enhancement to provide flexibility in design of future hardware and software. Continue existing defect corrections and future capabilities development in support of Multifunction Information Distribution System Joint Tactical Radio System (MIDS JTRS). Funds may be used to support Collaborative Combat Aircraft (CCA) integration efforts. FY 2027 Plans: FY2027 efforts will continue the ongoing development and integration of F-22 capabilities and continue EMD program activities for HMDCS and Link-16. These efforts will include, but are not limited to, the initiation of software development, enhancements, firmware upgrades, integration, test, and incremental upgrade activities with 2-way communication for system cueing. The Raptor Release 5 Production Build 002 Fielding Decision Review is scheduled for May 2027, with Time Compliance Technical Order in June 2027. Work will also be done to initiate contracting actions and begin procurement of HMDCS EMD kits and complete HMDCS's ejection safety qualification effort on the Holloman AFB High Speed Test Track. Link-16 will continue development and integration of multiple Open System Architecture (OSA) infrastructure enhancements, begin test of OSA networking firmware upgrade, and continue existing defect corrections and future capability development in support of Multifunction Information Distribution System Joint Tactical Radio System (MIDS JTRS). FY 2026 to FY 2027 Increase/Decrease Statement: Increase of \$37.753 million from FY2026 to FY2027 reflects a new transformation Contract Line Item Number (CLIN) on Agile Releases for Test, Execution, Modernization, Integration, and Sustainment (ARTEMIS) II software Operational Flight Program (OFP) contract to improve the OFP pipeline, as well as a ramp up in software integration capacity.											
Accomplishments/Planned Programs Subtotals							733.581	813.987	950.375		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item F02200: F-22A Squadrons, PE 0207138F*	817.256	945.526	1,052.088	-	1,052.088	1,097.522	1,175.113	1,107.617	1,118.105	1,073.113	8,386.340
Remarks											
NOTES:											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force						Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development			R-1 Program Element (Number/Name) PE 0207138F I F-22A Squadrons				

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost

*F-22A Squadrons, Program Element 0207138F, includes funding for F-22A Squadrons Budget Programs 11 (Aircraft Modifications), 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 FY2023 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 4QFY2024, the Sensor Enhancements program transitioned to a Rapid Fielding MTA authority (8 Aug 2024) and placed the initial Group B kit production order (29 Aug 2024). A second Group B kit production order was placed on 4 Apr 2025. The following programs are now executing/transitioning to Major Capability Acquisition (MCA) programs: Mode 5 Identify Friend or Foe - Challenge (IFFC), Controlled Reception Pattern Antenna (CRPA)/Anti-Jam Global Positioning System (GPS) Antenna, Embedded Global Positioning System (GPS)/ Inertial Navigation System (INS) - Modernized (EGI- M), Low Drag Tanks and Pylons (LDTP), Infrared Defense Suite (IRDS), Geyser+, Cryptographic Modernization, and Hybrid Satellite Communications (SATCOM). In FY2026, all OFP capabilities along with two MCA programs, Link 16 and Open System Architecture (OSA) Improvements and Helmet Mounted Display Cueing System (HMDCS), were transitioned to the F-22 Software Pathway for Enabling Expedited Deliveries (SPEED) Software Acquisition Pathway program. SPEED is separately identified as a major thrust starting in the FY2027 PB. The programs will use the established Indefinite Delivery Indefinite Quantity (IDIQ) contract vehicles to maximize flexibility to start, stop, accelerate, and decelerate projects to maximize F-22 capabilities given the changing threat environment. 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 FY2022.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons				Project (Number/Name) 674785 / F-22					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Infrastructure	Various	Various : Various	0.000	224.159	Oct 2024	314.109	Oct 2025	310.886	Nov 2026	-		310.886	Continuing	Continuing	-
Advanced Technology Development	Various	Various : Various	0.000	41.448	Dec 2024	21.187	Nov 2025	26.724	Nov 2026	-		26.724	Continuing	Continuing	-
Sensor Systems	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	129.486	Nov 2024	103.552	Nov 2025	106.712	Nov 2026	-		106.712	Continuing	Continuing	-
Controlled Reception Pattern Antenna (CRPA)/Anti-Jam Global Positioning System (GPS) Antenna	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	19.816	Oct 2024	3.445	Oct 2025	2.347	Oct 2026	-		2.347	Continuing	Continuing	-
Embedded GPS/Inertial Navigation System (INS) Modernization (EGI-M)	SS/TBD	Lockheed Martin : Fort Worth, TX	0.000	2.850	Oct 2024	2.680	Oct 2025	6.792	Oct 2026	-		6.792	Continuing	Continuing	-
Link 16 and Open System Architecture (OSA) Improvements Increment II	SS/CPAF	Lockheed Martin : Fort Worth, TX	0.000	74.420	Nov 2024	0.000	Nov 2025	0.000	Nov 2026	-		0.000	Continuing	Continuing	-
Software Pathway for Expediting Enhanced Delivery (SPEED)	Various	Lockheed Martin : Fort Worth, TX	0.000	8.674	Oct 2024	206.149	Oct 2025	243.902	Oct 2026	-		243.902	Continuing	Continuing	-
Mode 5 Identify Friend or Foe Challenge (IFFC)	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	45.105	Oct 2024	10.251	Oct 2025	9.240	Oct 2026	-		9.240	Continuing	Continuing	-
Low Drag Tanks and Pylons	SS/CPIF	Lockheed Martin : Fort Worth, TX	0.000	74.666	Nov 2024	54.976	Nov 2025	33.980	Nov 2026	-		33.980	Continuing	Continuing	-
Viability	Various	Various : Various	0.000	104.067	Dec 2024	55.933	Nov 2025	109.557	Nov 2026	-		109.557	Continuing	Continuing	-
Cryptographic Modernization	SS/TBD	Lockheed Martin : Fort Worth, TX	0.000	0.000	Sep 2025	16.295	Jun 2026	49.018	Nov 2026	-		49.018	Continuing	Continuing	-
Hybrid Satellite Communications (SATCOM)	Various	Various : Various	0.000	0.000		15.410	Jun 2026	36.817	Nov 2026	-		36.817	0.000	52.227	-
Subtotal			0.000	724.691		803.987		935.975		-		935.975	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons						Project (Number/Name) 674785 / F-22			
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Civilian Pay	Various	Not specified. : TBD	0.000	8.890	Oct 2024	10.000	Oct 2025	14.400	Oct 2026	-		14.400	0.000	33.290	-
Subtotal			0.000	8.890		10.000		14.400		-		14.400	0.000	33.290	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	733.581		813.987		950.375		-		950.375	Continuing	Continuing	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 2027 Air Force	Date: April 2026

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>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>F-22 Squadrons</i>																												
Advanced Technology Development (ATD) - Demonstrations																												
ATD - Studies & Analysis																												
ATD - Beyond-line-of-sight activity																												
Controlled Reception Pattern Antenna (CRPA)/Anti-jam Global Positioning System (GPS) Antenna - Development, Integration, and Test																												
CRPA/Anti-jam GPS Antenna - Developmental Test (DT) / Occupational Test (OT)																												
CRPA - Software Development																												
Embedded GPS/Inertial Navigation System (INS) Modernization (EGI-M) - Development, Integration, and Test																												
Sensor Systems - DT/OT Flight Test																												
Mode 5 Identify Friend or Foe Challenge (IFFC) - Development, Integration, and Flight Test																												
Mode 5 IFFC - Software Design, Development, Integration, and Test																												
Mode 5 IFFC - Mode 5 Challenge Hardware qualification complete																												
Low Drag Tanks and Pylons - Full Pylon Qualification																												
Low Drag Tanks and Pylons - Required Assets Available																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0207138F / F-22A Squadrons

Project (Number/Name)

674785 / F-22

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cryptographic Modernization - Development Contract Award																												
Cryptographic Modernization - System Design & Development																												
Viability - Geyser+ Engineering and Manufacturing Development (EMD) Software Development																												
Viability - Geyser+ EMD Group A Engineering Design																												
Viability - Geyser+ EMD Group B Engineering Design																												
Viability - Infrared Defensive Suite (IRDS) Group A/B Design																												
Viability - IRDS Phase 1 Integration																												
Viability - IRDS Phase 2 Integration																												
Viability - IRDS Flight Test at Combined Test Force (CTF)																												
Viability - IRDS Developmental Test (DT) / Occupational Test (OT) Unit Procurement																												
Hybrid Satellite Communications (SATCOM) - Manufacturing and Development Group A Engineering Design Phase 1																												
Hybrid SATCOM - Software Development Phase 1																												
Software Pathway for Expediting Enhanced Delivery (SPEED) - Raptor Operational Flight Program (OFP) Release 5																												
SPEED - Raptor OFP Release 6																												
SPEED - Raptor OFP Release 7																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0207138F / F-22A Squadrons

Project (Number/Name)

674785 / F-22

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SPEED - Raptor OFP Release 8																												
SPEED - Raptor OFP Release 9																												
SPEED - Raptor OFP Release 10																												
SPEED - Link-16 (L16) /Open Systems Architecture (OSA) - J-Voice functionality																												
SPEED - L16/OSA - Software development and Study Activities																												
SPEED - Helmet Mounted Display Cueing System (HMDCS) - Test Articles Contract Award (Commercial Off the Shelf item)																												
SPEED - HMDCS - Phase 1 Software Integration																												
SPEED - HMDCS - Phase 1 Delta Qualification Testing																												
SPEED - HMDCS - Phase 2 Engineering and Manufacturing Development (EMD) Cueing Software Development & Integration																												
SPEED - HMDCS - EMD Hardware																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons	Project (Number/Name) 674785 / F-22	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
F-22 Squadrons				
Advanced Technology Development (ATD) - Demonstrations	1	2025	4	2030
ATD - Studies & Analysis	1	2025	4	2030
ATD - Beyond-line-of-sight activity	4	2025	2	2027
Controlled Reception Pattern Antenna (CRPA)/Anti-jam Global Positioning System (GPS) Antenna - Development, Integration, and Test	1	2025	2	2027
CRPA/Anti-jam GPS Antenna - Developmental Test (DT) / Occupational Test (OT)	3	2025	4	2027
CRPA - Software Development	1	2025	4	2025
Embedded GPS/Inertial Navigation System (INS) Modernization (EGI-M) - Development, Integration, and Test	2	2025	4	2030
Sensor Systems - DT/OT Flight Test	3	2026	4	2027
Mode 5 Identify Friend or Foe Challenge (IFFC) - Development, Integration, and Flight Test	3	2025	4	2029
Mode 5 IFFC - Software Design, Development, Integration, and Test	1	2025	4	2025
Mode 5 IFFC - Mode 5 Challenge Hardware qualification complete	1	2025	4	2025
Low Drag Tanks and Pylons - Full Pylon Qualification	2	2025	1	2028
Low Drag Tanks and Pylons - Required Assets Available	3	2025	1	2029
Cryptographic Modernization - Development Contract Award	3	2026	3	2027
Cryptographic Modernization - System Design & Development	1	2025	2	2028
Viability - Geyser+ Engineering and Manufacturing Development (EMD) Software Development	3	2026	4	2030
Viability - Geyser+ EMD Group A Engineering Design	2	2026	4	2028
Viability - Geyser+ EMD Group B Engineering Design	2	2026	3	2029
Viability - Infrared Defensive Suite (IRDS) Group A/B Design	1	2025	4	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207138F / F-22A Squadrons	Project (Number/Name) 674785 / F-22

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Viability - IRDS Phase 1 Integration	1	2025	4	2028
Viability - IRDS Phase 2 Integration	1	2028	4	2030
Viability - IRDS Flight Test at Combined Test Force (CTF)	4	2028	4	2030
Viability - IRDS Developmental Test (DT) / Occupational Test (OT) Unit Procurement	1	2025	4	2026
Hybrid Satellite Communications (SATCOM) - Manufacturing and Development Group A Engineering Design Phase 1	3	2026	3	2028
Hybrid SATCOM - Software Development Phase 1	4	2026	1	2028
Software Pathway for Expediting Enhanced Delivery (SPEED) - Raptor Operational Flight Program (OFP) Release 5	1	2026	4	2026
SPEED - Raptor OFP Release 6	1	2027	4	2027
SPEED - Raptor OFP Release 7	1	2028	4	2028
SPEED - Raptor OFP Release 8	1	2029	4	2029
SPEED - Raptor OFP Release 9	1	2030	4	2030
SPEED - Raptor OFP Release 10	1	2031	4	2031
SPEED - Link-16 (L16) /Open Systems Architecture (OSA) - J-Voice functionality	1	2025	2	2026
SPEED - L16/OSA - Software development and Study Activities	1	2025	4	2027
SPEED - Helmet Mounted Display Cueing System (HMDCS) - Test Articles Contract Award (Commercial Off the Shelf item)	2	2027	2	2027
SPEED - HMDCS - Phase 1 Software Integration	4	2026	1	2031
SPEED - HMDCS - Phase 1 Delta Qualification Testing	3	2027	1	2028
SPEED - HMDCS - Phase 2 Engineering and Manufacturing Development (EMD) Cueing Software Development & Integration	4	2027	4	2029
SPEED - HMDCS - EMD Hardware	1	2027	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207142F I F-35 Squadrons							
COST (\$ in Millions)	Prior Years ⁽⁺⁾	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	357.371	45.444	32.203	47.388	0.000	47.388	49.303	50.266	51.221	52.258	Continuing	Continuing
675346: F-35	102.362	23.760	17.601	25.114	0.000	25.114	26.236	26.764	27.271	27.823	Continuing	Continuing
676011: JSF DUAL CAPABLE AIRCRAFT	207.713	21.684	14.602	22.274	0.000	22.274	23.067	23.502	23.950	24.435	Continuing	Continuing
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)/Crowd Sourced Flight Data (CSFD), 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 FY2020, 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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		47.132	48.446	0.000	0.000	0.000
Current President's Budget		45.444	32.203	47.388	0.000	47.388
Total Adjustments		-1.688	-16.243	47.388	0.000	47.388
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-15.797			
• 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		-1.688	-0.446			
• Other Adjustments		0.000	0.000	47.388	0.000	47.388
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
FY2025 includes a 1,688 thousand reduction for SBIR.						
FY2026 includes a 15,797 thousand Congressional directed reduction due to program carryover.						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 675346 / F-35			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675346: F-35	102.362	23.760	17.601	25.114	0.000	25.114	26.236	26.764	27.271	27.823	Continuing	Continuing
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 FY2020, 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 Quick Reaction Instrumentation Package (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 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. 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 2025	FY 2026	FY 2027
Title: Air Force SEEK EAGLE Office and Low Observable Sustainability Over Time	6.085	5.362	8.041
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 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). Beginning in FY2020, 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. 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.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons		Project (Number/Name) 675346 / F-35	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
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. 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. FY 2027 Plans: USAF only funding will continue supporting AFSEO requests by providing FTI wiring and supporting weapons integration tasks initiated in FY2021, 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. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased from FY2026 to FY2027 due to FY2026 Congressional reduction for project carryover (-\$2.639 million).					
Title: Quick Reaction Instrumentation Package (QRIP) / Crowd Sourced Flight Data (CSFD) 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 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 2026 Plans: In FY2026, 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 2027 Plans: In FY2027, funds provide for the continued 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			17.675	12.239	17.073

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / <i>F-35 Squadrons</i>	Project (Number/Name) 675346 / <i>F-35</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
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.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased from FY2026 to FY2027 due to FY2026 Congressional reduction for project carryover (-\$6.132 million).			
Accomplishments/Planned Programs Subtotals	23.760	17.601	25.114

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• RDTE 07 PE 0604840F: <i>F-35A Continuous Capability Development and Delivery</i>	1,134.207	1,182.094	1,172.745	-	1,172.745	1,236.709	1,169.070	1,234.200	1,258.885	Continuing	Continuing
• RDTE 07 PE 0207142F 6011: <i>Dual Capable Aircraft (DCA), BPAC 676011</i>	21.611	21.851	22.128	-	22.128	22.929	23.372	23.811	24.287	Continuing	Continuing
• RDTE 07 PE 0604840N 2936: <i>F-35C Continuous Capability Development and Delivery (CV)</i>	466.186	493.186	469.000	-	469.000	555.400	503.500	528.400	539.000	Continuing	Continuing
• RDTE 07 PE 0604840M 3410: <i>F-35B Continuous Capability Development and Delivery (STOVL)</i>	480.759	517.621	466.300	-	466.300	580.300	528.900	553.900	565.000	Continuing	Continuing
• RDTE 07 International: <i>International Continuous Capability Development and Delivery</i>	265.912	215.209	193.862	-	193.862	-	-	-	-	Continuing	Continuing

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	20.547	6.085	Dec 2024	5.362	Dec 2025	8.041	Dec 2026	-		8.041	Continuing	Continuing	-
USAF UIDES	MIPR	Various : Various	1.063	-		-		-		-		-	0.000	1.063	-
USAF F-35A QRIP / CSFD	Various	Various : Various	38.496	17.675	Nov 2024	12.239	Nov 2025	17.073	Nov 2026	-		17.073	Continuing	Continuing	-
Prime LM FIAB Development (JSE)	C/CPIF	Lockheed Martin : Ft Worth, TX	19.515	-		-		-		-		-	0.000	19.515	-
VTTC Integration	MIPR	Not specified. : TBD	5.667	-		-		-		-		-	0.000	5.667	-
VTTC HSI Components	Various	Not specified. : TBD	17.074	-		-		-		-		-	0.000	17.074	-
Subtotal			102.362	23.760		17.601		25.114		-		25.114	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			102.362	23.760		17.601		25.114		-		25.114	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026									
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)									
3600 / 7					PE 0207142F / F-35 Squadrons					675346 / F-35									

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
F-35 SEEK EAGLE and LOSOT																												
Ongoing support activities																												
F-35A QRIP / CSFD																												
Ongoing support activities																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031
F-35A QRIP / CSFD				
Ongoing support activities	1	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
676011: JSF DUAL CAPABLE AIRCRAFT	207.713	21.684	14.602	22.274	0.000	22.274	23.067	23.502	23.950	24.435	Continuing	Continuing
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 2025	FY 2026	FY 2027	
Title: Dual Capable Aircraft (DCA) (F-35 JSF)									21.684	14.602	22.274	
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.												
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.												
FY 2026 Plans:												
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 Aircraft Monitor and Control (AMAC) Testing. Continue updating the Nuclear Safety Analysis Report (NSAR), Technical Nuclear Safety Analysis (TNSA), Mechanical Interface Control Document (MICD), and Electrical Interface Control Document (EICD) documentation for the initial TR-3 nuclear certification.												
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.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / <i>F-35 Squadrons</i>	Project (Number/Name) 676011 / <i>JSF DUAL CAPABLE AIRCRAFT</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
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			
<i>FY 2027 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. 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. 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.			
<i>FY 2026 to FY 2027 Increase/Decrease Statement:</i> Funding increased from FY2026 to FY2027 due to FY2026 Congressional reduction for project carryover (-\$7.026 million).			
Accomplishments/Planned Programs Subtotals	21.684	14.602	22.274

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 07 PE 0207142F 5346: <i>JSF Follow on Modernization, BPAC 675346</i>	25.521	26.595	24.950	-	24.950	26.080	26.616	27.113	27.655	Continuing	Continuing
• RDTE 07 PE 0604840F: <i>F-35A Continuous Capability Development and Delivery</i>	1,134.207	1,182.094	1,172.745	-	1,172.745	1,236.709	1,169.070	1,234.200	1,258.885	Continuing	Continuing
• RDTE 07 PE 0604840N 2936: <i>F-35C Continuous Capability Development and Delivery (CV)</i>	466.186	493.186	469.000	-	469.000	555.400	503.500	528.400	539.000	Continuing	Continuing
• RDTE 07 PE 0604840M 3410: <i>F-35B Continuous Capability Development and Delivery (STOVL)</i>	480.759	517.621	466.300	-	466.300	580.300	528.900	553.900	565.000	Continuing	Continuing
• RDTE 07 International: <i>International Continuous Capability Development and Delivery</i>	265.912	215.209	193.862	-	193.862	-	-	-	-	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT	

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost

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 2027 Air Force **Date:** April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons	Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT

Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 4 Phase 2.3 - DCA to DT Complete	SS/CPFF	Lockheed Martin : Ft. Worth, TX	94.217	9.754	Mar 2025	3.272	Mar 2026	7.446	Mar 2027	-		7.446	Continuing	Continuing	-
DCA Prime PW Propulsion	SS/CPFF	Pratt Whitney - East : Hartford, CT	2.610	0.571	Mar 2025	0.544	Mar 2026	0.500	Mar 2027	-		0.500	0.000	4.225	-
DCA TE Prime LM DT AC Viability	C/CPFF	Lockheed Martin : Ft. Worth, TX	8.920	0.000	Dec 2024	0.000	Dec 2025	0.000	Dec 2026	-		0.000	Continuing	Continuing	-
DCA TE Prime LM Developmental Foundation Contract	C/CPFF	Lockheed Martin : Ft. Worth, TX	22.024	0.000	Dec 2024	0.000	Feb 2026	0.000	Feb 2027	-		0.000	Continuing	Continuing	-
Delta Certification	SS/CPFF	Lockheed Martin : Ft. Worth, TX	2.000	-		-		-		-		-	0.000	2.000	-
BFC	SS/CPFF	Lockheed Martin : Ft. Worth, TX	1.500	0.000	Feb 2025	0.000	Feb 2026	2.000	Feb 2027	-		2.000	Continuing	Continuing	-
TR-3	SS/CPAF	Lockheed Martin : Ft. Worth, TX	0.000	4.200	Jan 2025	1.000	Jan 2026	0.000	Jan 2027	-		0.000	0.000	5.200	-
Subtotal			131.271	14.525		4.816		9.946		-		9.946	Continuing	Continuing	N/A

Remarks

SEI&T: Accounts for DCA share of Systems Engineering Integration and Test (SEI&T) contract.

Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B61-12 AUR/Tail-kit Program Office	MIPR	AUR/TKA SPO : Kirtland/Eglin AFB, NM	18.380	0.000	Dec 2024	0.000	Dec 2025	0.000		-		0.000	0.000	18.380	-
AFNWC/AFSEC Support	MIPR	Various : TBD	34.574	5.513	Nov 2024	8.480	Jan 2026	8.500	Jan 2027	-		8.500	Continuing	Continuing	-
Subtotal			52.954	5.513		8.480		8.500		-		8.500	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons				Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT					
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation Edwards & OGC	Various	Testing : Edwards, CA	5.843	0.000	Feb 2025	0.000	Feb 2026	1.250	Feb 2027	-		1.250	Continuing	Continuing	-
Air Force SEEK EAGLE Office (Combat Weapons Delivery Software)	MIPR	Testing : Eglin, FL	1.100	0.040	Feb 2025	0.100	Feb 2026	0.034	Feb 2027	-		0.034	Continuing	Continuing	-
Subtotal			6.943	0.040		0.100		1.284		-		1.284	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	C/CPAF	Not specified TBD : TBD	15.631	1.506	Dec 2024	1.006	Feb 2026	2.344	Feb 2027	-		2.344	Continuing	Continuing	-
AFLCMC Civilian Pay	Allot	Not specified TBD : TBD	0.314	0.000	Feb 2025	0.000	Feb 2026	-		-		-	0.000	0.314	-
Travel	Various	Not specified TBD : TBD	0.600	0.100	Feb 2025	0.200	Feb 2026	0.200	Feb 2027	-		0.200	Continuing	Continuing	-
Subtotal			16.545	1.606		1.206		2.544		-		2.544	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			207.713	21.684		14.602		22.274		-		22.274	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207142F / F-35 Squadrons		Project (Number/Name) 676011 / JSF DUAL CAPABLE AIRCRAFT	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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																												
BFC (Nuclear Certification Tasks)																												
Delta Certification of Hardware/Software Upgrades/DT Prime Contractor Support/SEI&T																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207142F / <i>F-35 Squadrons</i>	Project (Number/Name) 676011 / <i>JSF DUAL CAPABLE AIRCRAFT</i>	

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	2025	4	2031
Phase 1 (Nuclear Certification Tasks) Requirements Decomposition	1	2025	4	2026
Phase 2.1 (Nuclear Certification Tasks) DCA to Preliminary Design Review (PDR)	1	2025	4	2026
Phase 2.3 (Nuclear Certification Tasks) DCA to DT Complete	1	2025	4	2028
BFC (Nuclear Certification Tasks)	1	2026	4	2031
Delta Certification of Hardware/Software Upgrades/DT Prime Contractor Support/ SEI&T	1	2025	4	2031

Note

Schedule details reflect fiscal years

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207146F / F-15EX							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	54.875	117.715	133.274	0.000	133.274	143.358	238.081	249.897	358.474	0.000	1,295.674
670131: F-15EX	0.000	54.875	117.715	133.274	0.000	133.274	143.358	238.081	249.897	358.474	0.000	1,295.674
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 2027 RDT&E funding request continues incremental funding of development and test activities started in prior years, including for Long-Range Kill Chain (LRKC) and Hybrid SATCOM (Beyond Line-of-Sight communications) development, which was an FY 2026 new start.

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.

FY 2020 Prior Years RDT&E funding of 385.000 million was executed in Program 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 Program 0207146F (F-15EX).

The FY 2026 spend plan amount for F-15EX 3600 includes \$117,715 thousand of discretionary and \$40,000 thousand of mandatory (reconciliation) for a total of \$157,715 thousand.

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

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207146F I F-15EX				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		56.228	78.345	0.000	0.000	0.000
Current President's Budget		54.875	117.715	133.274	0.000	133.274
Total Adjustments		-1.353	39.370	133.274	0.000	133.274
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	-10.013			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	50.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		-1.353	-0.617			
• Other Adjustments		0.000	0.000	133.274	0.000	133.274
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 670131: F-15EX						
Congressional Add: Engine Enhancement						
Congressional Add Subtotals for Project: 670131						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY2025 reduction (\$1.353 million) was due to SBIR/STTR Transfer.						
FY2026 budget changes include \$50.000 million Congressional Add - Engine Enhancement, \$10.013 million reduction to Hybrid SATCOM for insufficient information and \$0.617 million reduction due to SBIR/STTR Transfer.						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Hybrid SATCOM				0.000	13.684	45.240
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.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207146F / <i>F-15EX</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
FY 2026 Plans: 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 2027 Plans: Continue 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. Continue software integration allowing for adjunct processor capability while beginning install for test jets.				
FY 2026 to FY 2027 Increase/Decrease Statement: Additional funding for continued non-recurring engineering and beginning of test jet installs				
Title: F-15EX Development & Test Description: F-15EX RDT&E funding continues 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.		54.875	54.031	73.960
FY 2026 Plans: Continue cybersecurity test events. Continue non-recurring engineering (NRE) and integration development efforts, including continued Flight Control Computer (FCC) and other DMSMS redesign development needed to continue production line deliveries. 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 2027 Plans: Continue cybersecurity test events. Continue non-recurring engineering (NRE) and integration development efforts, including continued Flight Control Computer (FCC) and other DMSMS redesign development needed to continue production line deliveries. 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.				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force							Date: April 2026					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207146F I F-15EX								
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025		FY 2026		FY 2027	
Long-Range Kill Chain (LRKC) development and integration efforts require updates to the Operational Flight Program.												
FY 2026 to FY 2027 Increase/Decrease Statement: FY27 funding has increased due to requirement ramp up in Long Range Kill Chain.												
Title: Open Mission Systems							-		0.000		14.074	
Description: Open Mission Systems/ Multi-function Processor (OMS/MFP) is an F-15E and EX open architecture solution. The program plans to leverage the JANUS terminal being developed by Advanced Battle Management System (ABMS) in a 2-box configuration that includes an ethernet switch, which allows integration of additional subsystems. Open architecture capability would alleviate current ADCP II capacity constraints.												
FY 2026 Plans: Begin non-recurring engineering (NRE) and integration development efforts on multiple contracts to develop and integrate open mission systems / multi-function processor (OMS/MFP) with aircraft systems to allow capability to alleviate current ADCP II constraints.												
FY 2027 Plans: Continue non-recurring engineering (NRE) and integration development efforts on multiple contracts to develop and integrate open mission systems / multi-function processor (OMS/MFP) with aircraft systems to allow capability to alleviate current ADCP II constraints.												
FY 2026 to FY 2027 Increase/Decrease Statement: This is not an FY27 new start. Increase shown based on efforts started in FY2026 using Mandatory funding.												
Accomplishments/Planned Programs Subtotals							54.875		67.715		133.274	
							FY 2025		FY 2026			
Congressional Add: Engine Enhancement							-		50.000			
FY 2026 Plans: Engine Enhancement Congressional Add funding will be used to enhance current engine production rates.												
Congressional Adds Subtotals							-		50.000			
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• APAF F015EX: F-15EX	1,808.472	115.000	2,656.716	-	2,656.716	2,758.000	3,262.510	4,535.950	4,762.750	0.000	19,899.398	

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development						R-1 Program Element (Number/Name) PE 0207146F I F-15EX					
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 F015EX: F-15EX	-	-	214.176	-	214.176	202.119	545.130	319.650	335.640	0.000	1,616.715
• APAF 07 000075: Other Production Charges	38.881	-	51.213	-	51.213	40.961	-	-	-	0.000	131.055
• APAF 06 F015EX: F-15 EX	-	-	-	-	-	81.550	322.260	435.060	456.800	0.000	1,295.670
Remarks											
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	33.001	Dec 2024	43.294	Dec 2025	62.532	Dec 2026	-		62.532	Continuing	Continuing	-
Engine Enhancement	TBD	GE : Cincinnati, OH	-	-		50.000	Sep 2026	-		-		-	Continuing	Continuing	-
Hybrid SATCOM	Various	TBD : TBD	-	-		13.684	Jan 2026	45.240	Jan 2027	-		45.240	Continuing	Continuing	-
Open Mission Systems	C/TBD	TBD : TBD	-	-		-		14.074	Jan 2027	-		14.074	Continuing	Continuing	-
Subtotal			-	33.001		106.978		121.846		-		121.846	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authority Civilian Pay	Various	AFLCMC CIV PAY : WPAFB & Robins AFBs	-	6.577	Oct 2024	6.447	Oct 2025	6.595	Oct 2026	-		6.595	0.000	19.619	-
Subtotal			-	6.577		6.447		6.595		-		6.595	0.000	19.619	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Flight Test	Various	Various : Various	-	14.986	Nov 2024	3.290	Nov 2025	3.460	Dec 2026	-		3.460	0.000	21.736	-
Subtotal			-	14.986		3.290		3.460		-		3.460	0.000	21.736	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	Various	Various : Various	-	0.311	Nov 2024	1.000	Nov 2025	1.373	Nov 2026	-		1.373	0.000	2.684	-
Subtotal			-	0.311		1.000		1.373		-		1.373	0.000	2.684	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207146F / F-15EX					Project (Number/Name) 670131 / F-15EX			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	54.875		117.715		133.274		-		133.274	Continuing	Continuing	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 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207146F / F-15EX				Project (Number/Name) 670131 / F-15EX			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
F-15EX																												
F-15EX Non-Recurring Engineering (NRE) and Integration																												
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 2027 Air Force			Date: April 2026
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	2025	4	2031
F-15EX Follow-on Operational Test & Evaluation (FOT&E)	3	2025	2	2027
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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	358.102	33.701	85.449	98.861	0.000	98.861	126.802	123.251	121.751	62.965	59.765	1,070.647
674132: AIM-9 Product Improvement	358.102	33.701	85.449	98.861	0.000	98.861	126.802	123.251	121.751	62.965	59.765	1,070.647
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 442												
A. Mission Description and Budget Item Justification												
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.												
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.												
The AIM-9X Compact Variant (CV) repackages the AIM-9X Blk II technology into a compact airframe optimized for internal carriage on advanced aircraft with improved kinematic performance. The program will deliver increased capability to the warfighter with greater standoff range, increased aircraft weapon station capacity, and maintains inner boundary performance.												
In FY 2027, the program will execute engineering, manufacturing, and development for the phase 4 of the System Improvement Program (SIP) hardware and software effort. Specifically, development of Operational Flight Software (OFS) 11.6X will continue. The SIP IV hardware Engineering Change Proposal (ECP) will be complete Q3 FY 2027. In addition, the program will continue AIM-9X CV risk reduction development activities to advance hardware and software designs. The AIM-9X CV integration activities will focus on ensuring compatibility with advanced platforms. CV risk reduction efforts were funded by USN in FY 2025 and FY 2026 Product Development under SIP risk reduction. This effort is not an FY 2027 new start. USAF effort to start FY28.												
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.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles				
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.						
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.						
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.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		34.932	86.549	0.000	0.000	0.000
Current President's Budget		33.701	85.449	98.861	0.000	98.861
Total Adjustments		-1.231	-1.100	98.861	0.000	98.861
• 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		-1.231	-1.100			
• Other Adjustments		0.000	0.000	98.861	0.000	98.861
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: AIM- 9X Product Development				30.819	39.997	16.894
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						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207161F / <i>Tactical AIM Missiles</i>		
C. Accomplishments/Planned Programs (\$ in Millions) 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 2026 Plans: Complete SIP IV sensor and Electronics Unit hardware development efforts. Software development and test efforts for OFS 11.5 and 11.6 will occur in order to optimize the SIP IV Hardware with updated software algorithms. Development efforts for the Digital Fuze to upgrade the Active Optical Target Detector to address updated requirements and reduce cost will begin in FY2026. FY 2027 Plans: Continue software development and test efforts for OFS 11.5 and 11.6 to optimize the SIP IV Hardware with updated software algorithms. Development efforts for the Digital Fuze to upgrade the Active Optical Target Detector to address updated requirements and reduce cost will continue. Test articles to support flight test of the 11.X OFS and integration for OFS 11.6 and Special Air Test Missiles (NATMs) in support of OFS 11.7 OT&E and integration testing. FY 2026 to FY 2027 Increase/Decrease Statement: Decrease in FY27 funding due to the completion of SIP III and SIP THOR.		FY 2025	FY 2026	FY 2027
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 2026 Plans: Funding to develop seeker, warhead, and fuzes that counter Unmanned Aircraft Systems. FY 2027 Plans: Funding to continue development of the seeker, warhead, and fuzes that counter Unmanned Aircraft Systems. FY 2026 to FY 2027 Increase/Decrease Statement: Increase due to expanded development efforts for counter unmanned aircraft in FY27.		0.000	44.050	77.700
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 2026 Plans:		2.882	1.402	4.267

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles							
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Execute and plan joint testing efforts for DT, IT, and OT of OFS v10.5X, and OFS v11.5X. OFS 10.5X is scheduled to be available by 3rd quarter FY 2026 to support OT testing. FY 2026 flight test will include OFS 10.5X OT testing. OFS 11.5X DT flight testing will start pending delivery of SIP IV hardware.												
FY 2027 Plans: Execute and plan joint testing efforts for DT, IT, and OT of OFS v11.5X, and OFS v11.6X. FY 2027 will include DT and OT flight testing for OFS 10.5. FY 2027 flight tests will include DT Flight testing of the SIP IV Hardware, as well as beginning DT/IT testing of the OFS 11.6X Software and planning for OFS 11.6X OT testing.												
FY 2026 to FY 2027 Increase/Decrease Statement: FY27 increase due to a slight increase for inflation.												
Accomplishments/Planned Programs Subtotals										33.701	85.449	98.861
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• MPAF 02 Line Item M09HAI: Sidewinder (AIM-9X)	101.802	101.352	419.238	-	419.238	283.144	135.441	134.099	136.709	128.296	1,440.081	
• MPAF 04 Line Item 000999: Replen Spares, USAF	6.597	6.633	6.718	-	6.718	6.862	6.995	7.143	7.286	7.431	55.665	
• MPAF 04 Line Item 000999 (2)...: Inital Spares, USAF	2.079	2.090	2.125	-	2.125	2.169	2.212	2.255	2.300	4.890	20.120	
• RDTE 07 PE 0207161N: Tactical AIM Missile	30.668	34.650	93.218	-	93.218	36.264	21.410	12.966	13.190	43.054	285.420	
• WPN Line Item 2209: Sidewinder	295.280	84.713	174.750	-	174.750	185.837	203.559	217.543	222.995	473.633	1,858.310	
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.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207161F I Tactical AIM Missiles	
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 2027 Air Force												Date: April 2026			
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>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software/OFP Upgrade/Hdw Development	SS/CPFF	RMD : Tucson, AZ	283.320	27.991	Oct 2024	36.098	Oct 2025	14.999	Oct 2026	-		14.999	10.411	372.819	-
Flight Termination System	MIPR	NAWC WD : China Lake, CA	4.934	-		-		-		-		-	0.000	4.934	-
Munitions Improvement Study (USG)	MIPR	NAWC WD : China Lake, CA	12.443	-		-		-		-		-	0.000	12.443	-
Systems Engineering (USG)	MIPR	NAWC WD : China Lake, CA	9.016	2.612	Feb 2025	3.575	Feb 2026	1.645	Feb 2027	-		1.645	1.041	17.889	-
Aircraft Integration	SS/CPFF	Boeing : St. Louis, MO	1.238	0.216	May 2025	0.324	May 2026	0.250	May 2027	-		0.250	0.000	2.028	-
Counter Unmanned Aircraft Systems Development	C/CPFF	BAE : Hudson, NH	0.000	-		44.050	Feb 2026	77.700	Nov 2026	-		77.700	0.000	121.750	-
Subtotal			310.951	30.819		84.047		94.594		-		94.594	11.452	531.863	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DT&E/OT&E	Various	Various : Eglin, FL	33.719	2.273	Jan 2025	0.525	Jan 2026	2.378	Jan 2027	-		2.378	4.290	43.185	-
IT/OT Support F-15	SS/CPAF	RMD : Tuscon, AZ	1.433	0.225	May 2025	0.430	May 2026	1.424	May 2027	-		1.424	0.300	3.812	-
Subtotal			35.152	2.498		0.955		3.802		-		3.802	4.590	46.997	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Eglin AFB : Eglin, FL	11.999	0.384	Jan 2025	0.447	Jan 2026	0.465	Jan 2027	-		0.465	1.040	14.335	-
Subtotal			11.999	0.384		0.447		0.465		-		0.465	1.040	14.335	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force											Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207161F / Tactical AIM Missiles					Project (Number/Name) 674132 / AIM-9 Product Improvement			
	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	358.102	33.701		85.449		98.861		-		98.861	17.082	593.195	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force	Date: April 2026

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207161F / <i>Tactical AIM Missiles</i>	Project (Number/Name) 674132 / <i>AIM-9 Product Improvement</i>

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>AIM-9X Block II Tech Refresh (SIP III)</i>																												
OFS v9.5 Development																												
OFS v9.5 Release																												
OFS v10.4 (Rehost) Development																												
OFS v10.5 Development																												
OFS v10.5 Release																												
<i>AIM-9X Block II Tech Refresh (SIP IV)</i>																												
SIP IV Hardware (Sensor, Electronics Unit)																												
SIP IV Hardware ECP																												
OFS v11.5 Development																												
OFS v11.6 Development																												
OFS v11.6 Release																												
<i>Counter Unmanned Aircraft Systems Development</i>																												
TRL 6 Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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>				
OFS v9.5 Development	1	2025	3	2025
OFS v9.5 Release	2	2025	3	2025
OFS v10.4 (Rehost) Development	1	2025	4	2025
OFS v10.5 Development	1	2025	3	2027
OFS v10.5 Release	1	2027	4	2027
<i>AIM-9X Block II Tech Refresh (SIP IV)</i>				
SIP IV Hardware (Sensor, Electronics Unit)	1	2025	3	2027
SIP IV Hardware ECP	4	2026	3	2027
OFS v11.5 Development	1	2025	4	2027
OFS v11.6 Development	3	2026	2	2030
OFS v11.6 Release	2	2030	2	2030
<i>Counter Unmanned Aircraft Systems Development</i>				
TRL 6 Development	2	2026	4	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207163F <i>I Advanced Medium Range Air-to-Air Missile (AMRAAM)</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	897.422	51.898	50.539	53.277	0.000	53.277	54.716	55.787	56.847	57.998	Continuing	Continuing
673777: <i>AMRAAM</i>	897.422	51.898	50.539	53.277	0.000	53.277	54.716	55.787	56.847	57.998	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 185												
A. Mission Description and Budget Item Justification 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. 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. 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. 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). This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D. This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207163F I Advanced Medium Range Air-to-Air Missile (AMRAAM)				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	53.593	51.242	0.000	0.000	0.000	
Current President's Budget	51.898	50.539	53.277	0.000	53.277	
Total Adjustments	-1.695	-0.703	53.277	0.000	53.277	
• 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	-1.695	-0.703				
• Other Adjustments	0.000	0.000	53.277	0.000	53.277	
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: System Improvement Program (SIP)				22.576	24.511	27.072
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 2026 Plans: Continue CSP. SIP 4 FCA third quarter and finish operational testing (OT) fourth quarter. Continue SIP 5 software development. SIP 3 Tape 2 will complete FCA in first quarter and complete fielding third quarter. Begin SIP-3 Tape 3 software development with a planned contract award in the third quarter.						
FY 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207163F <i>I Advanced Medium Range Air-to-Air Missile (AMRAAM)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Continue CSP. Complete SIP 4 fielding. Continue SIP-5 software development. Continue SIP-3 Tape 3 software development.				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to SIP-5 (AIM-120D3) and SIP-3 Tape 3 (AIM-120D) development efforts both in the design and development phases.				
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 2026 Plans: Continue to develop and procure test resources required to meet test requirements and provide support personnel to complete AIM-120 test events. FY 2027 Plans: Continue to develop and procure test resources required to meet test requirements and provide support personnel to complete AIM-120 test events. FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to SIP-5 (AIM-120D3) and SIP-3 Tape 3 (AIM-120D) development efforts both in the design and development phases.		25.222	21.580	21.177
Title: Aircraft Integration 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 2026 Plans: Continue integration and testing of AIM-120 on multiple aircraft platforms. FY 2027 Plans: Continue integration and testing of AIM-120 on multiple aircraft platforms. FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased due to inflation.		4.100	4.448	5.028
Accomplishments/Planned Programs Subtotals		51.898	50.539	53.277

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

Date: April 2026

Appropriation/Budget Activity3600: 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)

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• MPAF 02 Line Item MAMRA0: Missile Procurement, Air Force	584.391	382.125	115.856	-	115.856	1,181.283	1,173.283	1,206.135	1,239.907	0.000	5,882.980
• MPAF 04 00098A: Msl Sprs/Repair Parts (Initial)	2.336	2.350	2.389	-	2.389	2.439	2.487	2.535	2.583	0.000	17.119
• MPAF 04 00098K: Msl Sprs/Repair Parts (Replen)	672.000	971.000	1.293	-	1.293	1.022	1.042	1.063	0.000	0.000	1,647.420

Remarks**E. Acquisition Strategy**

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)						Project (Number/Name) 673777 / AMRAAM			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AMRAAM Electronic Protection Improvement Program (EPIP)	Various	Raytheon : Tucson, AZ	86.959	-		-		-		-		-	0.000	86.959	-
AMRAAM F-22 Aircraft Integration	MIPR	Wright-Patterson AFB : Dayton, OH	114.890	-		-		-		-		-	0.000	114.890	-
AMRAAM System Improvement Program (SIP)	Various	Raytheon : Tucson, AZ	310.964	20.831	Jun 2025	21.024	Jul 2026	23.323	Jul 2027	-		23.323	Continuing	Continuing	626.987
AMRAAM Aircraft Integration Support	SS/CPFF	Raytheon : Tucson, AZ	35.211	4.172	May 2025	4.447	May 2026	5.028	May 2027	-		5.028	Continuing	Continuing	99.345
Subtotal			548.024	25.003		25.471		28.351		-		28.351	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test	Various	Various : Various	117.245	5.940	Jan 2025	7.783	Jan 2026	5.671	Jan 2027	-		5.671	Continuing	Continuing	24.552
Test Support	SS/CPFF	Raytheon : Various	195.857	15.693	Jan 2025	13.797	Jan 2026	15.500	Jan 2027	-		15.500	Continuing	Continuing	339.748
Subtotal			313.102	21.633		21.580		21.171		-		21.171	Continuing	Continuing	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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	36.296	5.262	Jan 2025	3.488	Jan 2026	3.755	Jan 2027	-		3.755	Continuing	Continuing	0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207163F / Advanced Medium Range Air-to-Air Missile (AMRAAM)						Project (Number/Name) 673777 / AMRAAM					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Subtotal			36.296	5.262		3.488		3.755		-		3.755	Continuing	Continuing	N/A		
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			897.422	51.898		50.539		53.277		-		53.277	Continuing	Continuing	N/A		
Remarks																	

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207163F / <i>Advanced Medium Range Air-to-Air Missile (AMRAAM)</i>					Project (Number/Name) 673777 / AMRAAM			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AMRAAM Development Program																												
AIM-120D SIP-3 Tape 3 Development																												
AIM-120D SIP-3 Tape 3 Test																												
AIM-120D SIP-3 Tape 3 FCA																												
AIM-120D SIP-3 Tape 3 IOC																												
AIM-120D SIP-3 Tape 4 Development																												
AIM-120D SIP-3 Tape 4 Test																												
AIM-120D SIP-3 Tape 4 FCA																												
AIM-120D SIP-3 Tape 4 IOC																												
AIM-120D SIP-3 Tape 5 Development																												
AIM-120D SIP-3 Tape 5 Test																												
AIM-120D SIP-3 Tape 5 FCA																												
AIM-120D SIP-3 Tape 6 Development																												
AIM-120D3 SIP-4 IOC																												
AIM-120D3 SIP-5 Development																												
AIM-120D3 SIP-5 Test																												
AIM-120D3 SIP-5 FCA																												
AIM-120D3 SIP-5 IOC																												
AIM-120D3 SIP-6 Development																												
AIM-120D3 SIP-6 Test																												
AIM-120D3 SIP-6 FCA																												
AIM-120D3 SIP-6 IOC																												
AIM-120D3 SIP-7 Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 3 Development	2	2026	4	2027
AIM-120D SIP-3 Tape 3 Test	1	2028	2	2028
AIM-120D SIP-3 Tape 3 FCA	2	2028	2	2028
AIM-120D SIP-3 Tape 3 IOC	4	2028	4	2028
AIM-120D SIP-3 Tape 4 Development	4	2027	3	2029
AIM-120D SIP-3 Tape 4 Test	4	2029	1	2030
AIM-120D SIP-3 Tape 4 FCA	1	2030	1	2030
AIM-120D SIP-3 Tape 4 IOC	2	2030	2	2030
AIM-120D SIP-3 Tape 5 Development	3	2029	2	2031
AIM-120D SIP-3 Tape 5 Test	3	2031	4	2031
AIM-120D SIP-3 Tape 5 FCA	4	2031	4	2031
AIM-120D SIP-3 Tape 6 Development	2	2031	4	2031
AIM-120D3 SIP-4 IOC	1	2027	1	2027
AIM-120D3 SIP-5 Development	4	2025	2	2028
AIM-120D3 SIP-5 Test	2	2028	4	2028
AIM-120D3 SIP-5 FCA	4	2028	4	2028
AIM-120D3 SIP-5 IOC	1	2029	1	2029
AIM-120D3 SIP-6 Development	2	2028	4	2030
AIM-120D3 SIP-6 Test	4	2030	2	2031
AIM-120D3 SIP-6 FCA	2	2031	2	2031
AIM-120D3 SIP-6 IOC	3	2031	3	2031

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207163F / <i>Advanced Medium Range Air-to-Air Missile (AMRAAM)</i>	Project (Number/Name) 673777 / <i>AMRAAM</i>

	Start		End	
Events by Sub Project	Quarter	Year	Quarter	Year
AIM-120D3 SIP-7 Development	4	2030	4	2031

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

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	PE 0207172F <i>I Joint Advanced Tactical Missile (JATM)</i>											
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	420.110	500.422	0.000	500.422	464.641	295.122	104.711	106.831	Continuing	Continuing
673777: <i>AMRAAM</i>	0.000	0.000	420.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
677771: <i>Joint Advanced Tactical Missile (JATM)</i>	0.000	0.000	0.000	500.422	0.000	500.422	464.641	295.122	104.711	106.831	0.000	1,471.727

Note

In FY 2027, PE 0207172F, Joint Advanced Tactical Missile, Project 673777, AMRAAM efforts were transferred to PE 0207172F, Joint Advanced Tactical Missile, Project 677771, Joint Advanced Tactical Missile, in order to align program funds.

A. Mission Description and Budget Item Justification

The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	425.029	0.000	0.000	0.000
Current President's Budget	0.000	420.110	500.422	0.000	500.422
Total Adjustments	0.000	-4.919	500.422	0.000	500.422
• 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	-4.919			
• Other Adjustments	0.000	0.000	500.422	0.000	500.422

Change Summary Explanation

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

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Missile (JATM)				Project (Number/Name) 673777 / AMRAAM			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
673777: AMRAAM	0.000	0.000	420.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
 The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Advanced Tactical Missile (JATM) Development Description: Continued development and system improvement. FY 2026 Plans: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book. FY 2027 Plans: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book. FY 2026 to FY 2027 Increase/Decrease Statement: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.	0.000	420.110	0.000
Accomplishments/Planned Programs Subtotals	0.000	420.110	0.000

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• MPAF 02 0207172F: Joint Advance Tactical Missile (JATM)	0.000	368.593	608.743	-	608.743	1,605.628	2,013.178	1,858.467	1,838.553	Continuing	Continuing

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Mi ssile (JATM)	Project (Number/Name) 673777 / AMRAAM

D. Acquisition Strategy

The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Missile (JATM)				Project (Number/Name) 677771 / Joint Advanced Tactical Missile (JATM)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
677771: Joint Advanced Tactical Missile (JATM)	0.000	0.000	0.000	500.422	0.000	500.422	464.641	295.122	104.711	106.831	0.000	1,471.727
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The details for this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Advanced Tactical Missile (JATM) Development Description: Continued development and system improvement. FY 2026 Plans: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4(a) and are submitted annually to Congress in the classified budget justification book. FY 2027 Plans: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4(a) and are submitted annually to Congress in the classified budget justification book. FY 2026 to FY 2027 Increase/Decrease Statement: The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.	-	0.000	500.422
Accomplishments/Planned Programs Subtotals	-	0.000	500.422

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• 0207172F: Joint Advance Tactical Missile (JATM)	0.000	368.593	608.743	0.000	608.743	1,605.628	2,013.178	1,858.467	1,838.553	0.00	8,293.162

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207172F / Joint Advanced Tactical Mi ssile (JATM)	Project (Number/Name) 677771 / Joint Advanced Tactical Missile (JATM)

D. Acquisition Strategy

The details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207227F I Combat Rescue - Pararescue							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675352: Guardian Angel RDT&E	0.000	0.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207227F I Combat Rescue - Pararescue				
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	
Previous President's Budget	0.743	0.000	0.000	0.000	0.000	
Current President's Budget	0.743	0.000	0.000	0.000	0.000	
Total Adjustments	0.000	0.000	0.000	0.000	0.000	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	0.000	0.000	0.000	0.000	0.000	
Change Summary Explanation Beginning in FY26 this funding is reported in BA 07 Project 0207457F.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Guardian Angel Family of Systems (FoS)				0.743	0.000	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 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. - 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.						
FY 2027 Plans:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>						R-1 Program Element (Number/Name) PE 0207227F <i>I Combat Rescue - Pararescue</i>					
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2025	FY 2026	FY 2027	
n/a											
Accomplishments/Planned Programs Subtotals								0.743	0.000	0.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• OPAF 04 Line Item 842990: <i>Items Less than \$5M (Safety)</i>	25.841	24.434	28.187	-	28.187	28.551	28.879	29.262	-	Continuing	Continuing
• OPAF 02 Line Item 823230: <i>Security and Tactical Vehicles</i>	0.301	0.000	0.000	-	0.000	0.000	0.000	0.000	-	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
The GA program was established in 2010 and entered the O&S phase of acquisition. Mission equipment is replaced both by attrition and by modernization needs identified in new requirements documents, driven by evolving mission needs, Joint and Air Force priorities and directives. Program priorities are: increased capability over legacy equipment, standardization across the force for reduced logistics footprint, improved interoperability and training, and reducing the Size/Weight/and Power (SWAP) of mission equipment for improved suitability for the dismounted operator. Reduced SWAP is a shared requirement across the entire SW community, and common solutions are developed and procured for GA, SWAGR and TACP programs through the Special Warfare Program office, reducing cost and increasing interoperability.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207227F / Combat Rescue - Pararescue						Project (Number/Name) 675352 / Guardian Angel RDT&E					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Product Development	C/CPAF	Not specified. : TBD	-	0.035	Jan 2025	-		-		-		-	Continuing	Continuing	-		
System Engineering and Integration (SE&I)	Various	Various : Various	-	0.343	Apr 2025	-		-		-		-	Continuing	Continuing	-		
Subtotal			-	0.378		-		-		-		-	Continuing	Continuing	N/A		
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
Direct Cite Civilian Pay	WR	TBD : WP AFB, OH	-	0.365	Oct 2024	-		-		-		-	0.000	0.365	-		
Subtotal			-	0.365		-		-		-		-	0.000	0.365	N/A		
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract			
Project Cost Totals			-	0.743	-		-		-		-	Continuing	Continuing	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 2027 Air Force			Date: April 2026		
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 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Events By Sub Project																												
Information Management Software																												
Test Activities																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	4	2031
Test Activities	1	2025	4	2031

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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207238F I E-11A							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	29.669	15.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
671201: E-11 Development	0.000	18.685	10.123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675383: BATTLEFIELD AIRBORNE COMM NODE (BACN)	0.000	10.984	4.912	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Note FY 2025 was rescinded \$14.240M and is not reflected in this budget documentation. In FY 2027, Projects 671201 E-11 Development and 675383 Battlefield Airborne Comm Node (BACN) are not funded.												
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 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207238F I E-11A				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. The FY 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." No budget year funding is requested for FY 2027. Program RDT&E funding may be utilized to implement innovation insertion, capability insertion, software increments, spiral upgrades, modular component swaps, and other insertions consistent with Modular Open System Architecture. Program RDT&E funding may be utilized to design, develop, integrate, and test weapon system and/or component level open architectures. Program RDT&E funding may be utilized to fund the concept refinement, design, development, integration, and testing of interdependent technologies and common architectures that underpin weapon system and portfolio-wide mission outcomes. This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		30.967	15.244	0.000	0.000	0.000
Current President's Budget		29.669	15.035	0.000	0.000	0.000
Total Adjustments		-1.298	-0.209	0.000	0.000	0.000
• Congressional General Reductions		0.000	-0.209			
• 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		-1.298	0.000	0.000	0.000	0.000
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 671201 / E-11 Development			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671201: E-11 Development	0.000	18.685	10.123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY 2025 was rescinded \$14.240M and is not reflected in this budget documentation. This BPAC does not reflect the rescission amount of \$7.12M as part of the \$14.240M rescission.

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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2025 0.806M was expended for civilian pay expenses in this program element, and in FY 2026 0.991M is forecasted for civilian pay expenses in this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development	
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.			
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: M-Code Military Global Positioning System (MilGPS) 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. FY 2025 was rescinded 14.240M and is not reflected in this budget documentation. This Major Thrust in this BPAC does not reflect the rescinded amount of \$7.12M as part of the \$14.240 rescission. 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. FY 2027 Plans: No budget year FY 2027 funds requested. FY 2026 to FY 2027 Increase/Decrease Statement: The decrease in funding from FY 2026 to FY 2027 is due to removal of further investment funding and moving the program fully into Operations and Sustainment phase in FY 2027. All investment funding moved to higher AF priorities while AF studies other alternatives in the delivery of the communications gateway capability.	18.685	10.123	0.000
Accomplishments/Planned Programs Subtotals	18.685	10.123	0.000
C. Other Program Funding Summary (\$ in Millions) N/A Remarks			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	15.571	Aug 2025	9.146	Jul 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	15.571		9.146		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authorization	TBD	Civilian Pay : TBD	-	0.949	Dec 2024	0.977	Dec 2025	-		-		-	Continuing	Continuing	-
Travel	TBD	Not specified. : TBD	-	0.000	Jan 2025	-		-		-		-	Continuing	Continuing	-
Assessments	C/TBD	Not specified. : TBD	-	0.000	Jan 2025	-		-		-		-	Continuing	Continuing	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	2.165	Jan 2026	-		-		-		-	Continuing	Continuing	-
Subtotal			-	3.114		0.977		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	18.685		10.123		-		-		-	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 7	PE 0207238F / E-11A	671201 / E-11 Development	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
E-11 Development																												
M-Code MilGPS																												

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

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675383: BATTLEFIELD AIRBORNE COMM NODE (BACN)	0.000	10.984	4.912	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY 2025 was rescinded 14.240M and is not reflected in this budget documentation. This BPAC does not reflect the rescinded amount of \$7.12M as part of the \$14.240 recission.

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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2025 0.806M was expended for civilian pay expenses in this program element, and in FY 2026 0.991M is forecasted for civilian pay expenses in this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)	
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.			
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: BACN Software Upgrades 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. 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. FY 2025 was rescinded 14.240M and is not reflected in this budget documentation. This Major Thrust in this BPAC does not reflect the rescinded amount of 7.12M as part of the 14.240 recission. FY 2026 Plans: No current year FY 2026 funds requested. FY 2027 Plans: No budget year FY 2027 funds requested. FY 2026 to FY 2027 Increase/Decrease Statement: No further funding beyond FY26. Future costs to keep software viable will be funded with operations and maintenance appropriation.	10.984	4.912	0.000
Accomplishments/Planned Programs Subtotals	10.984	4.912	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	10.170	May 2025	4.912	Nov 2025	-		-		-	Continuing	Continuing	-
Subtotal			-	10.170		4.912		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Direct Cite Authorization	TBD	Civilian Pay : TBD	-	0.000	Dec 2024	-		-		-		-	Continuing	Continuing	-
Travel	TBD	Not specified. : TBD	-	0.000	Jan 2025	-		-		-		-	Continuing	Continuing	-
Assessments	C/TBD	TBD : TBD	-	0.000	Apr 2025	-		-		-		-	Continuing	Continuing	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	0.814	Jan 2026	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.814		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025	FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	10.984	4.912		-		-		-	Continuing	Continuing	N/A	
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A					Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
BACN Systems																												
BACN Software Upgrades																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>BACN Systems</i>				
BACN Software Upgrades	1	2025	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207242F / <i>Special Program Applications</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	35.149	0.000	35.149	35.128	35.098	35.071	35.780	Continuing	Continuing
675895: <i>Special Program</i>	0.000	0.000	0.000	35.149	0.000	35.149	35.128	35.098	35.071	35.780	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program is a new start. Additional details of this budget justification are classified, per Executive Order 13526, Sec 1.4 (a) and are submitted annually to Congress in the classified budget justification book.

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

B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	35.149	0.000	35.149
Total Adjustments	0.000	0.000	35.149	0.000	35.149
• 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	35.149	0.000	35.149

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

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 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	50.263	52.492	50.913	0.000	50.913	56.029	56.501	42.483	43.547	Continuing	Continuing
670001: Air Force TENCAP	0.000	50.263	52.492	50.913	0.000	50.913	56.029	56.501	42.483	43.547	Continuing	Continuing
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 2027, 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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		50.263	52.492	0.000	0.000	0.000
Current President's Budget		50.263	52.492	50.913	0.000	50.913
Total Adjustments		0.000	0.000	50.913	0.000	50.913
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	50.913	0.000	50.913
Change Summary Explanation						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Exploitation Applications				24.069	25.779	31.213
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 2026 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 2027 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 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- 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 2026 to FY 2027 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				
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 2026 Plans: - Continues 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 - Continues development, demonstration, and transition for activities focused on enhancing Enterprise data processing capabilities to meet tactically-relevant MTE requirements - Continues 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 2027 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 - Will continue development, demonstration, and transition for activities focused on enhancing Enterprise data processing capabilities to meet tactically-relevant MTE requirements		26.194	26.713	19.700

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207247F I AF TENCAP		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
- 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				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased to focus on delivery of rapid prototype projects by the requested fielding date.				
Accomplishments/Planned Programs Subtotals		50.263	52.492	50.913
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks N/A				
E. Acquisition Strategy 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. 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. Contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207247F / AF TENCAP				Project (Number/Name) 670001 / Air Force TENCAP					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Exploitation Applications	Various	Various : Various	-	18.969	Nov 2024	22.129	Nov 2025	26.671	Nov 2026	-		26.671	Continuing	Continuing	-
Moving Target Engagement	Various	Various : Various	-	26.194	Nov 2024	23.063	Nov 2025	18.100	Nov 2026	-		18.100	Continuing	Continuing	-
Subtotal			-	45.163		45.192		44.771		-		44.771	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support Costs (PSC)	Various	Various : Various	-	5.100	Nov 2024	7.300	Nov 2025	6.142	Nov 2026	-		6.142	Continuing	Continuing	-
Subtotal			-	5.100		7.300		6.142		-		6.142	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	50.263		52.492		50.913		-		50.913	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207247F / AF TENCAP				Project (Number/Name) 670001 / Air Force TENCAP			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force		Date: April 2026
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	2025	4	2031
Moving Target Engagement				
Line of Effort 1	1	2025	4	2031
Line of Effort 2	1	2025	4	2031
Line of Effort 3	1	2025	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207249F I Precision Attack Systems Procurement							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	9.106	13.429	14.602	0.000	14.602	14.282	14.553	14.829	15.129	Continuing	Continuing
675347: Advanced Targeting Pod	0.000	9.106	13.429	14.602	0.000	14.602	14.282	14.553	14.829	15.129	Continuing	Continuing
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 (for land, sea and air), 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 2027 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.

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 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207249F I Precision Attack Systems Procurement				
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		9.423	13.613	0.000	0.000	0.000
Current President's Budget		9.106	13.429	14.602	0.000	14.602
Total Adjustments		-0.317	-0.184	14.602	0.000	14.602
• 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		-0.317	-0.184			
• Other Adjustments		0.000	0.000	14.602	0.000	14.602
Change Summary Explanation						
FY2025 -.317 million reduction for SBIR.						
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027
Title: Advanced Targeting Pod-Technical Insertion (ATP-TI) Increment 1				9.106	13.429	14.602
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 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.						
FY 2027 Plans: Continue to develop ATP Operational Flight Program (OFP) user requirements, improved long-range target detection/identification capabilities, and continuous stabilized surveillance via Large Aperture Kits enabling support to Ground Forces.						
FY 2026 to FY 2027 Increase/Decrease Statement: FY27 Operational Flight Program requirements increased for LITENING and Sniper pods to accurately reflect ATP advanced technology OFP Cost, technical analysis, and testing.						
Accomplishments/Planned Programs Subtotals				9.106	13.429	14.602

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement						

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

Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• APAF 05 Line Item 057: Other Aircraft, Precision Attack Systems Modifications	54.844	234.849	56.510	-	56.510	57.921	58.921	60.065	61.235	Continuing	Continuing
• APAF 06 Line Item 000999: Initial Spares/Repair Parts	3.759	3.811	3.919	-	3.919	3.998	4.071	4.148	4.229	Continuing	Continuing

Remarks

E. Acquisition Strategy

The Advanced Targeting Pod (ATP) acquisition strategy consists of several development contracts that use a mixture of CPFF, FFP, and FPIF strategies.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems P rocurement						Project (Number/Name) 675347 / Advanced Targeting Pod			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATP: OFP, Technology Improvement, Tech Analysis, Studies & Assessments	C/FFP	NGC, LM : Robins	-	8.679	Oct 2024	12.879	Oct 2025	14.045	Oct 2026	-		14.045	Continuing	Continuing	-
Subtotal			-	8.679		12.879		14.045		-		14.045	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCA Civ Pay	Allot	Allotment: Wright Patt : Wright Patterson, OH	-	0.227	Jan 2025	0.350	Jan 2026	0.357	Jan 2027	-		0.357	Continuing	Continuing	-
Subtotal			-	0.227		0.350		0.357		-		0.357	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATP: Risk Reduction	C/FFP	Multiple : Various	-	0.200	Nov 2024	0.200	Nov 2025	0.200	Nov 2026	-		0.200	Continuing	Continuing	-
Subtotal			-	0.200		0.200		0.200		-		0.200	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.106		13.429		14.602		-		14.602	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement				Project (Number/Name) 675347 / Advanced Targeting Pod			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ATP-TI																												
FY25 OFP Integration																												
FY26 OFP Integration																												
FY27 OFP Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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				
FY25 OFP Integration	2	2025	2	2026
FY26 OFP Integration	2	2026	2	2027
FY27 OFP Integration	2	2027	2	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207253F I Compass Call							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	115.978	0.000	66.514	0.000	66.514	67.348	73.638	85.033	84.668	Continuing	Continuing
674804: Compass Call	0.000	115.978	0.000	40.896	0.000	40.896	16.092	15.718	11.003	2.962	Continuing	Continuing
674807: EC-37B Compass Call	0.000	0.000	0.000	25.618	0.000	25.618	51.256	57.920	74.030	81.706	Continuing	Continuing

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 FY2017, 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 hosts Compass Call's Prime Mission Equipment (PME) and antenna arrays and is receiving additional STCs and Military Type Certificates (MTCs). The EA-37B aircraft re-uses PME from the EC-130H aircraft that is 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 intended to focus on external and resilient communications systems to improve connectivity across the battlespace.

FY 2027 RDT&E efforts continue BL4 development activities, BL4 test and evaluation to include range funding, trade studies for Baseline 5 advanced capabilities and technology/baseline maturation. Activities encompassed within the BL4 PME upgrade may include, but are not limited to, aircraft system integration; assembly, test, and checkout; mission system upgrades; obsolescence resolution; software development; systems engineering; test and evaluation; flight test; training systems; training

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207253F I Compass Call				
events; support equipment; and Program Support Costs (PSC). Activities encompassed within the BL5 include but are not limited to external communications, extended frequency ranges, other advanced capabilities, 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 Quick Reaction Capabilities (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 included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F.						
The FY 2026 spend plan amount for RDT&E includes \$0 thousand of discretionary and \$90,241 thousand of mandatory (reconciliation) for a total of \$90,241 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.						
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		132.475	0.000	0.000	0.000	0.000
Current President's Budget		115.978	0.000	66.514	0.000	66.514
Total Adjustments		-16.497	0.000	66.514	0.000	66.514
• 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		-12.000	0.000			
• SBIR/STTR Transfer		-4.497	0.000			
• Other Adjustments		0.000	0.000	66.514	0.000	66.514

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207253F I Compass Call	
Change Summary Explanation The FY 2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.		

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>				Project (Number/Name) 674804 / <i>Compass Call</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674804: <i>Compass Call</i>	0.000	115.978	0.000	40.896	0.000	40.896	16.092	15.718	11.003	2.962	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2027, Project 674807 was created for the Compass Call program. EA-37B re-host RDT&E of the BL3 and BL4 modifications onto the twelve (12) air vehicles are performed under project 674804. RDT&E of BL5 and future spiral baseline upgrades (beyond BL3 and BL4) are performed under project 674807.

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.

FY 2027 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-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207253F / Compass Call	Project (Number/Name) 674804 / 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.					
The FY 2026 request for RDT&E includes 0 thousand of discretionary and \$90,241 thousand of mandatory (reconciliation) for a total of \$90,241 thousands.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
Title: Baseline 3 and Baseline 4 Upgrade Development			115.978	0.000	40.896
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 2026 Plans:					
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:					
• Continuing platform and PME engineering, upgrade, and test activities					
• Continuing advancing Electromagnetic Attack offensive capabilities and expanding frequency coverage					
• Continuing studies and analysis for current/future baseline development planning					
• Continuing future capabilities to combat emerging and modern threats					
• Continuing future external communications upgrades					
• Continuing training systems/simulation lab environments					
• Continuing Program Support Costs (PSC)					
FY 2027 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:					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>				Project (Number/Name) 674804 / <i>Compass Call</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
• Will continue platform and PME engineering, upgrade, and test activities • Will continue advancing Electromagnetic Attack offensive capabilities • Will continue studies and analysis for current/future baseline development planning • Will continue training systems/simulation lab environments												
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased from \$0 to \$40,896 thousands in FY 2027 to support BL4 development, test and evaluation, and maturation of AEA technologies.												
Accomplishments/Planned Programs Subtotals										115.978	0.000	40.896
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 834010: <i>General Information Technology</i>	0.000	0.000	5.000	-	5.000	5.000	0.000	0.000	0.000	0.000	10.000	
• APAF 04 CALL00: <i>Compass Call</i>	0.000	400.000	660.000	-	660.000	440.000	440.000	620.000	334.000	Continuing	Continuing	
• APAF 05 Line item	94.654	0.000	506.265	-	506.265	409.073	567.170	576.769	470.361	Continuing	Continuing	
CALL00: <i>Compass Call Mods</i>												
• APAF 06 Line item CALL00: <i>Compass Call Mod Spares</i>	13.949	0.000	28.332	-	28.332	26.561	28.579	24.521	30.883	Continuing	Continuing	
Remarks												
D. 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 2027 Air Force												Date: April 2026			
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>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Call Baseline Upgrade Development Primary Mission Equipment	SS/CPFF	BAE Systems : Nashua, NH	-	82.411	Oct 2024	0.000	Oct 2025	1.700	Oct 2026	-		1.700	Continuing	Continuing	-
Subtotal			-	82.411		0.000		1.700		-		1.700	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Call Test and Evaluation	Various	Not Specified: TBD : TBD	-	32.715	Dec 2024	0.000	Dec 2025	38.584	Dec 2026	-		38.584	Continuing	Continuing	-
Subtotal			-	32.715		0.000		38.584		-		38.584	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Call Program Support Costs (PSC)	Various	AFLCMC : WPAFB, OH	-	0.852	Apr 2025	0.000	Apr 2026	0.612	Apr 2027	-		0.612	Continuing	Continuing	-
Subtotal			-	0.852		0.000		0.612		-		0.612	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	115.978		0.000		40.896		-		40.896	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force												Date: April 2026					
Appropriation/Budget Activity								R-1 Program Element (Number/Name)						Project (Number/Name)			
3600 / 7								PE 0207253F / <i>Compass Call</i>						674804 / <i>Compass Call</i>			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Compass Call EA-37B 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 2027 Air Force			Date: April 2026
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 BL3				
Capability Development, Test, and Evaluation	1	2025	4	2025
Compass Call EA-37B BL4				
Capability Development, Test, and Evaluation	1	2025	2	2029
Advanced Capability Development				
Future Advanced Capability Development, Test, and Evaluation	1	2025	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>				Project (Number/Name) 674807 / <i>EC-37B Compass Call</i>			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674807: <i>EC-37B Compass Call</i>	0.000	0.000	0.000	25.618	0.000	25.618	51.256	57.920	74.030	81.706	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2027, a project was created for the Compass Call program. EA-37B re-host RDT&E of the BL3 and BL4 modifications onto the twelve (12) air vehicles are performed under project 674804. RDT&E of BL5 and future spiral baseline upgrades (beyond BL3 and BL4) are performed under project 674807.

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.

FY 2027 RDT&E efforts refine BL5 analysis and study of requirements, development activities, BL5 test and evaluation, maturation of AEA technologies, and trade studies for future Baseline efforts. Activities encompassed within the BL5 PME upgrade may include, but are not limited to, aircraft system integration; assembly, test and checkout; mission system 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

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

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>	Project (Number/Name) 674807 / <i>EC-37B Compass Call</i>

into Compass Call Software Defined Radios (SDRs); frequency extension for new targets; external and resilient communication upgrades; 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; non-recurring engineering to support advances in external communications, funding program support costs (PSC), support equipment, training and simulation modification activities to include Weapon System Trainer integration, implementation of weapon system change management, and continued migration of the Compass Call Operating System (CCOS) to an agile software construct.

The FY 2026 request for RDT&E includes \$0 thousand of discretionary and \$90,241 thousand of mandatory (reconciliation) for a total of \$90,241 thousands

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
Title: Baseline 5 and Future Spiral Baseline Upgrade Development 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 2027 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 develop platform and PME engineering, upgrade, and test activities • Will advance Electromagnetic Attack offensive capabilities and expanding frequency coverage • Will study and analyze for current/future baseline development planning • Will advance future capabilities to combat emerging and modern threats • Will advance future external communications upgrades • Will develop training systems/simulation lab environments • Will fund program support costs (PSC) FY 2026 to FY 2027 Increase/Decrease Statement: Funding increased from \$0 thousands to \$25,618 thousands to support BL5 development, maturation of AEA technologies, and future spiral baseline upgrades.	-	-	25.618
Accomplishments/Planned Programs Subtotals	-	-	25.618

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027 Base</u>	<u>FY 2027 OOC</u>	<u>FY 2027 Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834010: <i>General Information Technology</i>	0.000	0.000	5.000	-	5.000	5.000	0.000	0.000	0.000	0.000	10.000

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force								Date: April 2026			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>				Project (Number/Name) 674807 / <i>EC-37B Compass Call</i>			

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

<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 04 CALL00: <i>Compass Call</i>	0.000	400.000	660.000	-	660.000	440.000	440.000	620.000	334.000	Continuing	Continuing
• APAF 05 CALL00: <i>Compass Call</i>	94.654	0.000	253.463	-	253.463	268.940	280.415	249.201	254.185	Continuing	Continuing
• APAF 06 CALL00: <i>Compass Call</i>	13.949	0.000	24.175	-	24.175	26.416	28.429	24.521	30.883	Continuing	Continuing

Remarks

D. 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 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>				Project (Number/Name) 674807 / <i>EC-37B Compass Call</i>					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Call Baseline Upgrade Development PME	Various	BAE Systems : Nashua, NH	-	-		-		25.230	Mar 2027	-		25.230	Continuing	Continuing	-
Subtotal			-	-		-		25.230		-		25.230	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Compass Call Program Support (PSC)	Various	Not Specified: TBD : TBD	-	-		-		0.388	Apr 2027	-		0.388	Continuing	Continuing	-
Subtotal			-	-		-		0.388		-		0.388	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		25.618		-		25.618	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force															Date: April 2026				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 / 7										PE 0207253F / <i>Compass Call</i>					674807 / <i>EC-37B Compass Call</i>				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Compass Call EA-37B BL5																												
Capability Development, Test, Evaluation																												
Advanced Capability Development																												
Future Advanced Capability Development, Test, and Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207253F / <i>Compass Call</i>	Project (Number/Name) 674807 / <i>EC-37B Compass Call</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Compass Call EA-37B BL5				
Capability Development, Test, Evaluation	1	2025	4	2031
Advanced Capability Development				
Future Advanced Capability Development, Test, and Evaluation	1	2025	4	2031

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207268F <i>I Aircraft Engine Component Improvement Program</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	58.429	64.073	205.938	0.000	205.938	208.562	209.639	210.785	212.023	Continuing	Continuing
671012: <i>Aircraft Engine Component Improvement Program</i>	0.000	58.429	64.073	172.372	0.000	172.372	174.306	174.697	175.177	175.694	Continuing	Continuing
675365: <i>F135 Aircraft Engine Component Improvement Program</i>	0.000	0.000	0.000	33.566	0.000	33.566	34.256	34.942	35.608	36.329	Continuing	Continuing

Note

This program, BA 7, PE 0207268F, project 675365, F135 Aircraft Engine Improvement Program, is a new start.

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.

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

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

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207268F I Aircraft Engine Component Improvement 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.					
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	60.498	52.734	0.000	0.000	0.000
Current President's Budget	58.429	64.073	205.938	0.000	205.938
Total Adjustments	-2.069	11.339	205.938	0.000	205.938
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	12.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-2.069	-0.661			
• Other Adjustments	0.000	0.000	205.938	0.000	205.938
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					
FY2025 adjustment of -2.069 million for SBIR.					
FY2026 Congressional add of 12.000 million for Aircraft Engine Component Improvement Program and -\$.661 Sec 8151 SBIR reduction					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
671012: Aircraft Engine Component Improvement Program	0.000	58.429	64.073	172.372	0.000	172.372	174.306	174.697	175.177	175.694	Continuing	Continuing
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.

Service-related engine deficiencies occur throughout the engine lifecycle. Given the uncertainty regarding 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.

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

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

	FY 2025	FY 2026	FY 2027
Title: F100 Aircraft Engine Component Improvement Program	8.193	9.950	25.055
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 2026 Plans:			
- Will execute multiple tasks to address engine issues and readiness associated with the F-15 and F-16 aircraft			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program		Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- 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 FY 2027 Plans: - Will execute multiple tasks to address engine issues and readiness 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 FY 2026 to FY 2027 Increase/Decrease Statement: Increase from FY26 to FY27 provides funding for critical new and expanded engineering tasks required to improve the safety and reliability of the F-15 and F-16 fleets. The funding directly supports tasks prioritized by the Engine Advisory Board, including the Augmenter Liner Cracking redesign to address a top fleet readiness degrader, the E-Flap Resin Obsolescence project to mitigate a critical material shortfall, and the DEEC Software Upgrade to improve fault isolation and reduce field maintenance actions.					
Title: F110/F101/F118 (Large Combat Engines) 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 2026 Plans: - Will execute multiple tasks to address engine issues and readiness 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 2027 Plans: - Will execute multiple tasks to address engine issues and readiness 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			11.580	8.367	21.068

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program		Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
- Maintain engine flight safety, address obsolescence deficiencies, improve OR and R&M, reduce engine LCC, and sustain engines throughout their service life FY 2026 to FY 2027 Increase/Decrease Statement: Increase from FY26 to FY27 provides funding for several high-priority engineering tasks required to improve the reliability and supportability of the F110, F101, and F118 engine fleets. This funding enables the execution of tasks prioritized by the Engine Advisory Board. Specifically, the increase will fund Common Depot Repair Development to increase parts availability; a Proactive Electronics Obsolescence program to mitigate future readiness issues; and the F110/F118 VSV Bellcrank Redesign, which fixes a critical safety issue known to cause in-flight shutdowns.					
Title: F119 Aircraft Engine Component Improvement Program 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. FY 2026 Plans: - Will execute multiple tasks to address engine issues and readiness 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 FY 2027 Plans: - Will execute multiple tasks to address engine issues and readiness 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 FY 2026 to FY 2027 Increase/Decrease Statement: Increase from FY26 to FY27 funds critical readiness initiatives for the F-22 fleet. The funding addresses technological obsolescence and improves the durability of high-cost 5th-generation components, directly supporting tasks prioritized by the Engine Advisory Board. Specifically, this increase will initiate the Modular FADEC program to redesign the obsolete engine			19.651	22.466	56.570

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
controller, fund a Low-Pressure Turbine (LPT) case material change to address a 100% fallout rate at the depot, and begin the HPT Disk DPHT Elimination redesign to mitigate a critical production shortfall.			
Title: Other Aircraft Engine Component Improvement Program Description: CIP provides critical engineering support for approximately 8,000+ engines including but not limited to the TF33, TF34, T53, T56, T700, T400, J85, F107 and over 16,000 APU/SPS units, Propulsion Corporate Excellence (P-CORE), and critical developmental engineering support for future engines (e.g., F404, F130 and other future weapon systems such as the B-21 and F-47). 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. 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 2027 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 2026 to FY 2027 Increase/Decrease Statement: Increase from FY26 to FY27 provides critical funding to address a diverse range of safety, readiness, and obsolescence challenges across legacy and trainer engine fleets. The increase enables execution of high-priority tasks, including initiating a TF33 Common Compressor program to mitigate parts shortfalls and developing Additive Manufacturing spares to combat obsolescence. For the J85 fleet, it funds the Controls & Accessories Life Management (CALM-5) project to address the primary readiness degrader for the T-38. This budget also formally stands up sustaining engineering support for the F404 and provides investment for foundational P-CORE Digital Transformation projects.		19.005	23.290
			69.679
Accomplishments/Planned Programs Subtotals		58.429	64.073
			172.372

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	11.580	Oct 2024	8.367	Nov 2025	21.068	Oct 2026	-		21.068	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-F100/F119/TF33	SS/CPFF	Pratt & Whitney : Hartford, CT	-	33.042	Oct 2024	37.813	Dec 2025	95.215	Oct 2026	-		95.215	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-T400	SS/T&M	Pratt & Whitney : Quebec, Canada	-	0.021	Sep 2025	0.063	Jan 2026	0.159	Oct 2026	-		0.159	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-TF34/J85/T700/F404	SS/CPFF	GE : Lynn, MA	-	3.802	Oct 2024	3.241	Nov 2025	24.018	Oct 2026	-		24.018	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-T56	SS/CPFF	Rolls Royce : Indianapolis, IN	-	0.228	Oct 2024	0.554	Nov 2025	1.395	Oct 2026	-		1.395	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft engine improvements-T53	SS/CPFF	Ozark : Springfield, MO	-	0.070	Oct 2024	0.074	Dec 2025	0.187	Oct 2026	-		0.187	Continuing	Continuing	-
Aircraft Engine CIP: Develop aircraft Auxiliary Power Unit improvements	SS/CPFF	Various : Various	-	3.682	Oct 2024	5.464	Feb 2026	13.758	Oct 2026	-		13.758	Continuing	Continuing	-
Aircraft Engine CIP: Develop engine improvements-F107	SS/CPFF	Williams Intl : Pontiac, MI	-	0.008	Oct 2024	0.021	Jul 2026	0.054	Oct 2026	-		0.054	Continuing	Continuing	-
Subtotal			-	52.433		55.597		155.854		-		155.854	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program						Project (Number/Name) 671012 / Aircraft Engine Component Improvement Program			
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Ground test and validate engine improvements	PO	AEDC : Arnold AFB, TN	-	0.724	Jan 2025	1.222	Jan 2026	3.076	Jan 2027	-		3.076	Continuing	Continuing	-
Subtotal			-	0.724		1.222		3.076		-		3.076	Continuing	Continuing	N/A
Remarks Fuel costs for contractor-performed T&E are included in the applicable contract.															
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: PMA	Various	Various : Various	-	2.637	Dec 2024	3.554	Dec 2025	4.124	Dec 2026	-		4.124	Continuing	Continuing	-
Propulsion Corporate Excellence (P-CORE)	Various	Various : Various	-	2.635	Dec 2024	3.700	Dec 2025	9.318	Dec 2026	-		9.318	Continuing	Continuing	-
Subtotal			-	5.272		7.254		13.442		-		13.442	Continuing	Continuing	N/A
Remarks PMA Description: Program Management support, travel, and A&AS.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	58.429		64.073		172.372		-		172.372	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force										Date: April 2026			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207268F / Aircraft Engine Component Improvement Program					671012 / Aircraft Engine Component Improvement Program			

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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 2027 Air Force			Date: April 2026
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	2025	4	2031
F-110 Engine CIP Activities	1	2025	4	2031
F-119 Engine CIP Activities	1	2025	4	2031
Other Legacy Engine/Future and P-CORE CIP Activities	1	2025	4	2031

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program				Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
675365: F135 Aircraft Engine Component Improvement Program	0.000	0.000	0.000	33.566	0.000	33.566	34.256	34.942	35.608	36.329	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207268F, project 675365, F135 Aircraft Engine Improvement Program, is a new start.

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.

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

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

	FY 2025	FY 2026	FY 2027
Title: F135 Aircraft Engine Improvement Program	0.000	0.000	33.566
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 2026 Plans: No FY26 funding			
FY 2027 Plans: -Execute approximately 80+ AF-funded F135 engine tasks supporting F-35 flying operations. -Conduct accelerated mission test and analytical condition inspection			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program	Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
-Address safety of flight, engine component redesign, repair/rework procedures and life limit/mission analysis. -Validate redesigned parts and new repair procedures. -Maintain/improve engine flight safety, improve OR and R&M, reduce engine LCC, and sustain engines throughout service life. -Funds may be used to address emerging and short-notice DMSMS issues.			
FY 2026 to FY 2027 Increase/Decrease Statement: Funding increase in FY27 to address USAF share to continue F135 Engine CIP tasks and support F-35 flying operations.			
Accomplishments/Planned Programs Subtotals		0.000	33.566
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
Program Element 0205633N provides US Navy funding support for the F135 propulsion system.			
D. Acquisition Strategy			
Contracts within this program are projected to award 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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-	-		-		31.688	Jan 2027	-		31.688	Continuing	Continuing	-
Subtotal			-	-		-		31.688		-		31.688	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: Ground test and validate engine improvements	PO	AEDC : Arnold AFB, TN	-	-		-		0.500	Jan 2027	-		0.500	Continuing	Continuing	-
Subtotal			-	-		-		0.500		-		0.500	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Aircraft Engine CIP: PMA	Various	Various : Various	-	-		-		1.378	Jan 2027	-		1.378	Continuing	Continuing	-
Subtotal			-	-		-		1.378		-		1.378	Continuing	Continuing	N/A
Remarks PMA Description: Program Management support, travel, and A&AS.															
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		-		33.566		-		33.566	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207268F / Aircraft Engine Component Improvement Program		Project (Number/Name) 675365 / F135 Aircraft Engine Component Improvement Program	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CIP JSF Activities																												
F-135 Engine CIP Tasks FY27-29																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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 FY27-29	1	2027	4	2031

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	840.294	190.710	226.116	133.092	0.000	133.092	76.912	21.075	21.467	21.901	26.520	1,558.087
675356: JASSM Extended Range (JASSM-ER)	840.294	190.710	226.116	133.092	0.000	133.092	76.912	21.075	21.467	21.901	26.520	1,558.087
Quantity of RDT&E Articles	39	-	7	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 555												
A. Mission Description and Budget Item Justification												
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. JASSM-ER/AGM-158B-2 is complete on the B-1 only.												
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.												
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.												
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 started production in Lot 19. The AGM-158B-3 provides Military 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 23.												
The Weapon Data Link (WDL) effort includes the development of the WDL, as well as various integration and testing efforts. The WDL allows warfighters to retarget the weapons via line-of-sight (objective capability) and beyond-line-of-sight (threshold capability), 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.												
Test assets encompass AGM-158B-3 and AGM-158D in FY 2024-2028.												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force				Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)				
This program element included all necessary expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605829F, 0605831F, 0605833F, and 0605898F. The FY 2026 spend plan amount for Research, Development, Test and Evaluation (RDT&E), Air Force includes \$226,116 thousand of discretionary and \$200,000 thousand of mandatory (reconciliation) funding for a total of \$426,116 thousand. 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 Department of War (DoW) and Department of the Air Force (DAF) enterprise IT solutions. 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 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget		181.692	232.252	0.000	0.000	0.000
Current President's Budget		190.710	226.116	133.092	0.000	133.092
Total Adjustments		9.018	-6.136	133.092	0.000	133.092
• Congressional General Reductions		0.000	-3.489			
• 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		14.999	0.000			
• SBIR/STTR Transfer		-5.981	-2.647			
• Other Adjustments		0.000	0.000	133.092	0.000	133.092
Change Summary Explanation						
The FY 2026 President's Budget submittal did not reflect the FY 2027 through FY 2030 funding. Therefore, an explanation of the changes between the two budget positions for FY 2027 cannot be made in a relevant manner.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)		
The FY 2025 Budget changes are as follows: +\$14.999 million Below Threshold Reprogramming (BTR) for the ongoing development and integration of a weapon datalink radio on the JASSM-D standoff cruise missile variant, and -\$5.981 million for SBIR.				
The FY 2026 Budget changes are as follows: -\$3.489 million mark (excess to need) and -\$2.647 million for SBIR.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
Title: Warfighting Capability Enhancement		45.318	43.012	29.800
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), JASSM Extended Range (JASSM-ER/AGM-158B, AGM-158B-2, AGM-158B-3 and AGM-158D).				
FY 2026 Plans: Continue lab development, lab/flight testing and update classified software to include mission planning. Continue to develop the appropriate Systems Performance Models (SPM)/Missile Performance Models (MPM) for the AGM-158D and to provide the MPM for incorporation into the JASSM mission planning software on Joint Mission Planning System (JMPS) and Joint Open Mission Systems (JOMS). Continue modification of classified software to enable the missile to maintain operational effectiveness in classified scenarios. FY 2026 includes agile C++ missile operational flight program releases in the 54.0.xx series software family and associated testing for verification of system updates.				
FY 2027 Plans: Will continue lab development, lab/flight testing and update classified software to include mission planning. Will continue to develop the appropriate Systems Performance Models (SPM)/Missile Performance Models (MPM) for the AGM-158D and to provide the 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 2027 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 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced efforts to develop, test, and integrate software and the SPM/MPM for the AGM-158D, incorporate the MPM into the JASSM mission planning software (JMPS) and Joint Open Mission Systems (JOMS).				
Title: Weapon Data Link (WDL)		144.692	178.593	98.792
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 (objective capability) and beyond-line-of-sight (threshold capability), 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. As of 2025, the Program Office				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>		R-1 Program Element (Number/Name) PE 0207325F <i>I Joint Air-to-Surface Standoff Missile (JASSM)</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027
received additional requirements from 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, resulting in the schedule extending to FY 2027.				
FY 2026 Plans: Continue sub-system and system-level hardware demonstrations and qualification, as well as system level testing and qualification activities required for flight testing that begins in FY 2026. FY 2026 Funding (\$178.592 million) is comprised of the WDL contract (\$157.329 million), Government Test support (\$8.849 million), and Program Management Administration (\$12.415 million).				
FY 2027 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 2027. FY 2027 Funding (\$98.792 million) will be comprised of the WDL contract (\$86.927 million), Government Test support (\$3.923 million), and Program Management Administration (\$7.942 million).				
FY 2026 to FY 2027 Increase/Decrease Statement: Funding decreased due to reduced efforts in the AGM-158D/B-3 EMD Contract ramp down getting to production readiness review and cut-in of this critical capability in FY 2027.				
Title: Other Development/Safety/Survivability		0.700	4.511	4.500
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 and future flight demonstrations, such as the AGM-158XR. 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, ground testing, flight testing, and open architecture efforts. A GPS M-Code receiver is being developed to enable the missile to meet National Defense Authorization Act requirements.				
FY 2026 Plans:				

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207325F I Joint Air-to-Surface Standoff Missile (JASSM)		

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2025	FY 2026	FY 2027
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 2027 Plans: Directed activities to include development and demonstration of SIP related modifications within survivability, lethality, and accuracy where selections are accomplished through studies and testing to ensure effectiveness against emerging threats. Will continue evaluation activity addressing JASSM's obsolescence plan. FY 2026 to FY 2027 Increase/Decrease Statement: Funding remains consistent based on continued activities targeting safety and survivability, ensuring JASSM lethality against emergent threats.			
Accomplishments/Planned Programs Subtotals	190.710	226.116	133.092

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u> <u>Base</u>	<u>FY 2027</u> <u>OOB</u>	<u>FY 2027</u> <u>Total</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>FY 2030</u>	<u>FY 2031</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• MPAF 02 PE 0207325F: Joint Air to Surface Standoff Missile	970.051	328.081	967.866	-	967.866	2,056.207	2,113.195	2,171.667	2,231.587	0.000	10,838.654
Remarks											
E. Acquisition Strategy 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 Department of War and Department of the AF 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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)						Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)			
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Warfighting Capability Enhancement	SS/CPFF	Lockheed Martin : Orlando, FL	138.472	45.318	Nov 2024	43.012	Nov 2025	29.800	Nov 2026	-		29.800	Continuing	Continuing	240.933
Advanced Survivability, Integration and, test	SS/CPFF	various : Orlando, FL	238.499	-		-		-		-		-	0.000	238.499	239.499
Weapon Data Link	SS/CPFF	various : Orlando, FL	195.195	129.569	Nov 2024	157.329	Nov 2025	86.927	Nov 2026	-		86.927	Continuing	Continuing	239.099
Other Development/Safety/ Survivability	Various	Lockheed Martin : Orlando, FL	199.722	0.700	Feb 2025	4.511	Feb 2026	4.500	Nov 2026	-		4.500	Continuing	Continuing	225.745
Subtotal			771.888	175.587		204.852		121.227		-		121.227	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Support	C/CPFF	Not specified. : TBD	5.039	-		-		-		-		-	0.000	5.039	-
Subtotal			5.039	-		-		-		-		-	0.000	5.039	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Test Support. Includes flight test equipment, targets, 96th Test Wing and Range Support, AEDC	Various	96 TW, Eglin AFB : TBD	44.220	4.807	Feb 2025	8.849	Feb 2026	3.923	Feb 2027	-		3.923	0.000	61.799	-
Subtotal			44.220	4.807		8.849		3.923		-		3.923	0.000	61.799	N/A
Remarks AEDC - Arnold Engineering Development Complex															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)						Project (Number/Name) 675356 / JASSM Extended Range (JASSM-ER)			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA). Provides program office oversight of development and upgrade activities.	Various	PMA : Eglin AFB, FL	19.147	10.316	Apr 2025	12.415	Apr 2026	7.942	Apr 2027	-		7.942	0.400	50.220	0.000
Subtotal			19.147	10.316		12.415		7.942		-		7.942	0.400	50.220	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			840.294	190.710		226.116		133.092		-		133.092	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
3600 / 7		PE 0207325F / Joint Air-to-Surface Standoff Missile (JASSM)		675356 / JASSM Extended Range (JASSM-ER)	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
RDT&E Schedule Details																												
Warfighter Capability Enhancement																												
Weapon Data Link																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 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	2025	1	2031
Weapon Data Link	1	2025	1	2028

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0207327F I Small Diameter Bomb (SDB)							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	29.047	24.575	25.497	0.000	25.497	25.885	26.375	26.877	27.421	Continuing	Continuing
675191: SDB Increment II	0.000	29.047	24.575	25.497	0.000	25.497	25.885	26.375	26.877	27.421	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

GBU-53 Small Diameter Bomb Increment II (SDB II) Stormbreaker is a United States Air Force (USAF)-led, joint interest ACAT-IC program with the Department of Navy (DoN). SDB II delivers and sustains GBU-53 weapons capability for the warfighter to attack mobile and stationary targets at standoff and stand in ranges through all weather. SDB II addresses the following warfighter requirements: precision munitions capability, attack moving and stationary targets, adverse weather operations, multiple kills per pass, multiple ordnance carriage, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, Military-code (M-code) Global Positioning System (GPS) and inertial navigation, reduced susceptibility to anti-jam / anti-spoofing countermeasures, and Network Enabled Weapon (NEW) capabilities via Link-16. SDB II is a key component of Air Force's Global Strike Task Force 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. Funding for integration of threshold aircraft for F-15E, F-35B, and F-35C is in the SDB II program. Objective aircraft include the F/A-18E/F, F-15EX, F-35A, AC-130, F-16, F-22A, B-1B, B-2, B-52, A-10, and MQ-9. Funding for each objective aircraft is provided by that aircraft program. GBU-53 SDB II is compatible with the BRU-61 and BRU-55 miniature munitions carriages, the CNU-660/E weapon carriage container, the Common Munitions Bit and Reprogramming Equipment (CMBRE), and the Joint Mission Planning System (JMPS). The SDB II produces and fields GBU-53s in single-weapon USAF storage containers or dual-weapon DoN containers.

DoN IOC declared F/A-18E/F in January 2026. The Milestone Decision Authority approved APB updates in May 2022 and again in May 2025 to incorporate the updates to USAF and DoN inventory objectives. The program is proceeding to a Full Rate Production (FRP) decision in FY 2027.

SDB II 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 War (DoW) and Department of Air Force (DAF) enterprise Information Technology (IT) solutions.

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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026					
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F, 0605831F, 0605833F, or 0605898F.								
This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.								
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.								
B. Program Change Summary (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total		
Previous President's Budget		29.910	24.810	0.000	0.000	0.000		
Current President's Budget		29.047	24.575	25.497	0.000	25.497		
Total Adjustments		-0.863	-0.235	25.497	0.000	25.497		
• 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		-0.863	-0.235					
• Other Adjustments		0.000	0.000	25.497	0.000	25.497		
Change Summary Explanation								
FY2026 Sec 8151 Reduction is reflected in SBIR/STTR Transfer with a decrease of \$235 thousand.								
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Title: SDB II Development and Engineering Changes				21.507	24.575	25.497	-	25.497
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, DoW-mandated data link cryptographic modernization, program protection, exportability features, cyber security, advanced guidance, navigation and control, enhanced lethality,								

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
precise/advance navigation, and software capability upgrades. Conduct trade studies and concept development for technology refresh redesigns as based on obsolescence forecasts.						
FY 2026 Plans: Executed System Improvement Program (SIP) to continually advance capability of the weapon and transition program to a steady OFP update cycle, executed under agile development. Continue to perform Operational Flight Program (OFP) software and firmware updates to integrate new Military-Code (M-Code) GPS receiver and forward and aft electronics upgrades into the SDB II GBU-53A/B Configuration 2 All Up Round (AUR) weapon. Integrated CCA stack design verification testing and qualification to support Configuration 2 AUR integration and qualification. Integrated and test of the TacNet 1.5 weapons data link (WDL) with the new CCAs and associated OFP changes.						
FY 2027 Base Plans: Continue integrated CCA stack design verification testing and qualification to support Configuration 2 AUR integration 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 platform integration, program protection, exportability, cyber security, enhanced lethality, survivability, anti-jam and anti-spoof capabilities, threat defeat, software-based capability enhancements, obsolescence, and affordability.						
Procure developmental test assets to support developmental qualification and testing, as required. Conduct developmental Captive Flight Tests, platform integration testing, and flight test shots. 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 to FY 2027 Increase/Decrease Statement: Funding increased due to slight increase in SIP program option year two, upgrades to SDB II baseline hardware/software to meet emerging threats, maintain compatibility with external system performance. Activities include, but are not limited to, data link cryptographic modernization, program protection, exportability, cyber security,						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force									Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development				R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)							
C. Accomplishments/Planned Programs (\$ in Millions)							FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
advanced guidance, navigation and control, enhanced lethality, and address obsolescence issues and affordability opportunities.											
Title: SDB II M-Code Description: M-Code provides an enhanced anti-jam capability and secures access to Military-Code 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 2026 Plans: N/A - Completed in FY2025 FY 2027 Base Plans: N/A - Completed in FY2025 FY 2026 to FY 2027 Increase/Decrease Statement: N/A							7.540	0.000	0.000	-	0.000
Accomplishments/Planned Programs Subtotals							29.047	24.575	25.497	-	25.497
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
• MPAF 02 Line Item SDB002: Small Diameter Bomb II	407.222	307.743	194.509	-	194.509	136.148	134.702	137.232	139.903	Continuing	Continuing
• RDTE 05 PE 0604329N: Small Diameter Bomb II	21.234	23.836	64.428	-	64.428	17.360	10.245	9.764	9.941	0.000	156.808
• WPN Line Item 223800: Small Diameter Bomb II	79.283	78.892	166.688	-	166.688	110.840	112.426	113.780	115.543	Continuing	Continuing
Remarks DoN RDT&E funds include F-35B and F-35C Integration and Support Cost.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0207327F I Small Diameter Bomb (SDB)	
E. Acquisition Strategy 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 to execute weapon development and qualification and threshold platform integration and test with priced production options for the first five production lots. SDB II production Lots 1-3 were FPIF. Production Lots 4-5 were firm fixed price, and Lots 6-11 are FPIF. The Government is buying the SDB II GBU-53 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 the incremental Engineering Change Proposal (iECP) 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. In April 2020, the Government added the flexible Lot Integration and Test (LIT) contract deliver order with pre-priced scope to conduct AUR-level qualification and testing of new hardware configurations. Activities for this IDIQ include, but are not limited to, M-Code GPS development, data link cryptographic modernization, program protection, exportability features, cyber security, advanced guidance, navigation and control, enhanced lethality, and address obsolescence issues and affordability opportunities as well as required weapon qualification and testing activities.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207327F / Small Diameter Bomb (SDB)				Project (Number/Name) 675191 / SDB Increment II					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Changes & Technical Support	SS/ Various	Raytheon : Tucson, AZ	-	9.070	Dec 2024	11.626	Dec 2025	14.599	Jan 2027	-		14.599	Continuing	Continuing	136.520
M-Code Integration	SS/ Various	Raytheon : Tucson, AZ	-	7.540	Oct 2024	-		-		-		-	0.000	7.540	109.437
F-15E Integration & Test Support	SS/ Various	Boeing : St. Louis, MO	-	7.159	Dec 2024	7.402	Dec 2025	2.181	Mar 2027	-		2.181	Continuing	Continuing	-
Subtotal			-	23.769		19.028		16.780		-		16.780	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Network Enabled Weapon Training - Initial	MIPR	Various : Pax-River, MD	-	1.352	Mar 2025	-		-		-		-	0.000	1.352	-
MISC Program Support to Division and Directorate	Various	Various : Eglin AFB, FL	-	-		-		0.655	Dec 2026	-		0.655	Continuing	Continuing	-
Subtotal			-	1.352		-		0.655		-		0.655	Continuing	Continuing	N/A
Remarks															
Other Gov't Costs: Command & Control Infrastructure Integration subject matter expert (SME) support															
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Test Support	Various	Various : Various	-	2.931	Mar 2025	4.386	Mar 2026	6.828	Mar 2027	-		6.828	Continuing	Continuing	11.896
Subtotal			-	2.931		4.386		6.828		-		6.828	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity						R-1 Program Element (Number/Name)				Project (Number/Name)					
3600 / 7						PE 0207327F / Small Diameter Bomb (SDB)				675191 / SDB Increment II					
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Professional Administrative Support Services (EPASS)	Various	Various : Eglin AFB, FL	-	0.100	May 2025	0.100	May 2026	0.170	May 2027	0.000	May 2027	0.170	Continuing	Continuing	25.508
Program Management Administration (PMA)	Various	Various : Eglin AFB, FL	-	0.143	Oct 2024	0.116	Oct 2025	0.097	Oct 2026	0.000	Oct 2026	0.097	Continuing	Continuing	11.536
DCA Civ Pay	Allot	Allotment : Eglin AFB, FL	-	0.752	Oct 2024	0.945	Oct 2025	0.967	Oct 2026	0.000	Oct 2026	0.967	Continuing	Continuing	-
Subtotal			-	0.995		1.161		1.234		0.000		1.234	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	29.047		24.575		25.497		0.000		25.497	Continuing	Continuing	N/A
Remarks															
Engineering Changes: FY2026 to FY2027 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 2027 Air Force															Date: April 2026				
Appropriation/Budget Activity										R-1 Program Element (Number/Name)					Project (Number/Name)				
3600 I 7										PE 0207327F I Small Diameter Bomb (SDB)					675191 I SDB Increment II				

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Small Diameter Bomb Inc II (SDB II)																												
F-15 E Integration & Test																												
M-Code Integration & Testing																												
Lot Integration and Test (LIT)																												
System Improvement Program (SIP)																												
Integration & Testing on Threshold F-35 B/C																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2027 Air Force			Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207327F / Small Diameter Bomb (SDB)	Project (Number/Name) 675191 / SDB Increment II	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Small Diameter Bomb Inc II (SDB II)				
F-15 E Integration & Test	1	2025	4	2031
M-Code Integration & Testing	1	2025	2	2026
Lot Integration and Test (LIT)	1	2025	4	2031
System Improvement Program (SIP)	1	2025	4	2031
Integration & Testing on Threshold F-35 B/C	1	2025	4	2031

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 FY31+ 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.

M-Code no cost Period of Performance (PoP) extenstions into 2nd quarter of FY2026.

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0207410F / <i>Air & Space Operations Center (AOC)</i>							
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	63.091	99.217	158.871	0.000	158.871	176.616	182.682	167.158	169.819	Continuing	Continuing
674596: <i>AOC WS Modifications</i>	0.000	63.091	82.319	89.571	0.000	89.571	94.916	97.092	98.858	100.219	Continuing	Continuing
674597: <i>Kessel Run Flight Operations</i>	0.000	0.000	16.898	69.300	0.000	69.300	81.700	85.590	68.300	69.600	Continuing	Continuing

Note

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

A. Mission Description and Budget Item Justification

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, Department of War (DoW) directives, changes in the underlying Information Technology (IT) environment, as well as to deliver effective operational capabilities for the user.

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

This program element may include necessary civilian pay expenses required to manage, execute, and deliver 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 2025, 18.844 million was expended for civilian pay expenses in this program element, and in FY 2026, 8.913 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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207410F I Air & Space Operations Center (AOC)			
B. Program Change Summary (\$ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	65.102	113.086	0.000	0.000	0.000
Current President's Budget	63.091	99.217	158.871	0.000	158.871
Total Adjustments	-2.011	-13.869	158.871	0.000	158.871
• Congressional General Reductions	0.000	-12.626			
• 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	-1.243			
• Other Adjustments	-2.011	0.000	158.871	0.000	158.871
Change Summary Explanation					
The FY2026 President's Budget submittal did not reflect the FY2027 through FY2030 funding. Therefore, an explanation of the changes between the two budget positions for FY2027 cannot be made in a relevant manner.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)				Project (Number/Name) 674596 / AOC WS Modifications			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674596: AOC WS Modifications	0.000	63.091	82.319	89.571	0.000	89.571	94.916	97.092	98.858	100.219	Continuing	Continuing
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.

Funding supports continued software engineering capacity required for AOC WS with efforts to optimize and stabilize the AOC infrastructure and the IaaS/PaaS development and operational capabilities. AOC WS upgrades 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 modernization utilizes agile methodologies to deliver capabilities that keep pace with evolving commercial and government off the shelf (COTS/ GOTS) software components, DoW directives, operational energy security and efficiency objectives, and changes in the underlying IT environment. Additionally, the modernization ensures 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.

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

	FY 2025	FY 2026	FY 2027
Title: AOC WS Modifications Development	63.091	82.319	89.571
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.			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)		Project (Number/Name) 674596 / AOC WS Modifications	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2025	FY 2026	FY 2027
FY 2026 Plans: - Accelerated interoperability with Joint mission partners by preparing for the United States Navy's Consolidated Afloat Networks and Enterprise Services (USN CANES) Surface Environment testing and USN adoption, enabling interoperability with United States Marine Corps (USMC) and implementing software and infrastructure integrations with Army Battlefield Coordination Detachment (BCD). - Supported updates and modernization to the Common Operational Picture used by the USAF and COCOMs with integration of C2Core Air, Global Command and Control System - Joint (GCCS-J), and Maven Smart System. - Initiated advanced Major Theater War (MTW) interoperability with coalition partners by beginning coordination of command and control (C2) analysis/roadmap alignment of modernized systems and cloud interoperability with Five Eyes (FVEY) nations through interoperability with FVEY networks as well as AOC WS support in FVEY environments to meet COCOM and USAF requirements. - Delivered AppTX to the Air Operations Center (AOC) enterprise as the cloud-based Air Operations Center Weapon System (AOC WS) to add flexibility and resiliency to operational C2 by supporting distributed operations, maturing Primary Alternate Contingency and Emergency Planning (PACE planning), increasing real-time system monitoring and streamlining capability delivery. - Implemented commercial and DoW 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. - Established 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. - Accelerated the Air Tasking Cycle (ATC) by integrating C2 systems that drive Master Air Attack Plan (MAAP) automation and rapidly integrate data sources to enable dynamic mission replanning (DMR). - Provided a robust 24x7x365 operational support framework for the AOC software and infrastructure, encompassing proactive monitoring, incident response, performance tuning, and preventative maintenance, guaranteeing enterprise-grade reliability, scalability, and security as it integrates across the AOC infrastructure. - Continued to leverage software engineering capacity to align with the strategic roadmap & software initial capabilities document priorities, which includes expanding access to mission partners to support Denied, Disrupted, Intermittent, and Limited bandwidth scenarios; achieving Deliberate Planning Major Theater War capabilities/capacity across the AOC enterprise; conducting functional AOC, Joint and mission partner assessments; defining architecture and deployment of; and continuing investment in dynamic targeting and streamlined workflows. - Continued to transition from legacy applications/systems such as Theater Battle Management Core Systems Force Level (TBMCS FL) and Air Operations Center Increment 10.1 (AOC 10.1) baseline to AOC WS modernized capabilities.					

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674596 / AOC WS Modifications	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
- Continued to deliver Deliberate Planning 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 Deliberate Planning and tactical systems, and deploy enhanced decision-making capabilities along with Master Air Attack Plan (MAAP) automation. - Continued to align with DAF BATTLE NETWORK and Air Battle Management System (ABMS) digital infrastructure to enable development and scaling of an extensible cloud-based Infrastructure as a Service/Platform as a Service (IaaS/PaaS) hosting platform/enterprise architecture along with the necessary services to support continuous software capability integration and delivery. FY 2027 Plans: - Deliver Application Transformation (AppTX) to the Air Operations Center (AOC) enterprise as the cloud-based AOC Weapon System (WS) to add flexibility and resiliency to operational Command and Control (C2) by supporting distributed operations, maturing Primary Alternate Contingency and Emergency (PACE) planning, increasing real-time system monitoring, and streamlining capability delivery. - Focus on experimentation with emerging C2 technologies (like artificial intelligence/machine learning) within the AppTX/AOC WS cloud platform, while strategically strangulating outdated legacy systems through a phased replacement and data migration workflow. - Continue to enhance operational C2 Capabilities and reduce risk through a structured experimentation framework, secure integration, and comprehensive training model all while improving the security posture through a Zero Trust architecture and adherence to continued PACE planning. - Continue to develop core simulation engine for AOC modernization compatible Individual Trainer capability in support of deprecation of legacy system. - Deliver enterprise-grade Deliberate Planning operations by automating workflows, minimizing manual data entry, enhancing decision analysis, and accelerating data-driven action for continuous optimization and decision outcomes. - Enable automated Deliberate Planning interoperability with Air Force and Joint systems to enable secure data sharing and communication with high-classification environments, ensuring secure interoperability and enhanced security compliance. - Will support the integration of disparate Command and Control (C2) systems via a common software framework to automate key workflows and accelerate the Air Tasking Order and Airspace Control Order (ATO/ACO) and relevant decisions. - Continue to leverage software engineering efforts to advance strategic roadmap priorities and mature software capabilities, including expanding mission partner access in Denied, Disrupted, Intermittent, and Limited (DDIL) environments, implement Deliberate Planning Major Theater War capabilities based on FY26 experience, refining assessment processes, further streamlining workflows and dynamic mission planning. FY 2026 to FY 2027 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674596 / AOC WS Modifications				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2025	FY 2026	FY 2027
Funding increased due to expanded support required for development and integration efforts associated with the Air Operations Center (AOC) modernization initiative. Additional resources will accelerate software development, testing, and cybersecurity hardening to meet updated operational requirements and mandated Joint interoperability standards. This increase ensures program alignment with enterprise modernization schedules and mitigates risk to fielding timelines.												
Accomplishments/Planned Programs Subtotals										63.091	82.319	89.571
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost	
• OPAF 03 834530: Air & Space Operations Center (AOC)	20.034	22.264	20.688	-	20.688	21.131	21.531	21.927	22.365	Continuing	Continuing	
• OPAF 03 833140: Strategic Command And Control	5.368	1.855	1.914	-	1.914	1.139	1.158	1.116	1.322	Continuing	Continuing	
• RDTE 07 0303248F: All Domain Common Platform	86.301	75.711	71.312	-	71.312	73.848	74.783	75.743	75.365	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
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.												
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, DoW laboratories, Federally Funded Research and Development Centers (FFRDC), academia, and engineering & professional acquisition support services contractors as well as commercial industry partners.												

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)	Project (Number/Name) 674596 / AOC WS Modifications
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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674596 / AOC WS Modifications					
Product Development (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Development	C/Various	Various : Multiple	-	31.795	Nov 2024	61.772	Nov 2025	65.140	Nov 2026	-		65.140	Continuing	Continuing	-
Subtotal			-	31.795		61.772		65.140		-		65.140	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Direct Mission Support	C/Various	Various : Various	-	3.483	Oct 2024	2.833	Oct 2025	2.936	Oct 2026	-		2.936	Continuing	Continuing	-
AOC WS Modifications Civilian Direct Cite Authorizations for Product Development	Allot	AFLCMC/FZA : TBD	-	18.844	Oct 2024	9.483	Oct 2025	9.355	Oct 2026	-		9.355	Continuing	Continuing	-
Subtotal			-	22.327		12.316		12.291		-		12.291	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AOC WS Modifications Engineering Services	Various	Various : Various	-	2.982	Oct 2024	2.471	Oct 2025	2.500	Oct 2026	-		2.500	Continuing	Continuing	-
AOC WS Modifications Program Support	C/Various	Various : Various	-	5.987	Oct 2024	5.760	Oct 2025	9.640	Oct 2026	-		9.640	Continuing	Continuing	-
Subtotal			-	8.969		8.231		12.140		-		12.140	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	63.091		82.319		89.571		-		89.571	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)		Project (Number/Name)	
3600 / 7		PE 0207410F / Air & Space Operations Center (AOC)		674596 / AOC WS Modifications	

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
AOC WS Modifications																												
Deliberate Planning																												
AOC-Cloud Enterprise Adoption																												
Deployable Digital Infrastructure (DDI) Integration																												
Fixed Digital Infrastructure (FDI) Transition																												
Cross Domain Solution (CDS) Integration and Implementation																												
MAAP Automation																												
Security Modernization																												
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 2027 Air Force			Date: April 2026
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				
Deliberate Planning	1	2025	4	2031
AOC-Cloud Enterprise Adoption	3	2026	4	2028
Deployable Digital Infrastructure (DDI) Integration	3	2026	4	2031
Fixed Digital Infrastructure (FDI) Transition	1	2027	4	2030
Cross Domain Solution (CDS) Integration and Implementation	1	2027	4	2030
MAAP Automation	1	2028	4	2031
Security Modernization	3	2026	4	2031
Continuous AOC Block 20 Deliveries	1	2025	2	2026
Major Theater War (Development & Test)	1	2025	2	2026
Major Theater War (Integrate & Scale)	1	2026	2	2026
Multi-Tenancy	1	2025	2	2025
Joint Planning	1	2025	3	2025
Dynamic Targeting	1	2025	2	2026
Master Air Attack Planning Optimization	1	2025	2	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force										Date: April 2026		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)				Project (Number/Name) 674597 / Kessel Run Flight Operations			
COST (\$ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
674597: Kessel Run Flight Operations	0.000	0.000	16.898	69.300	0.000	69.300	81.700	85.590	68.300	69.600	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In FY 2027, Flight Operations funding transferred to its own PE (0207461F), and this project 674597 now funds AOC Decision Advantage.

The AOC Decision Advantage (ADA) project develops, fields, and sustains an adaptable, AI-driven targeting and C2 platform designed to provide a decisive information advantage over peer adversaries. As a critical component of the broader Air Operations Center (AOC) modernization effort, ADA delivers key capabilities supporting The Department of War's (DOW's) Combined Joint All-Domain Command and Control (CJADC2) framework. The United States Air Force (USAF) is implementing ADA as the Air Force's portion of the DoW's enterprise-wide mission command applications strategy to accelerate AI-enabled decision-making as the cornerstone for CJADC2.

The AOC program is closely aligned and integrated with the DoW's Chief Digital and Artificial Intelligence office (CDAO)'s plan to integrate a common, enterprise-wide mission command applications strategy via Maven Smart System (MSS). This strategy will provide AI-driven workflows and data connections to create high-functioning, cross-platform interoperability between AOCs and other CJADC2 systems. This program element will manage and execute the USAF-specific components of CDAO's enterprise strategy to provide stable funding, streamline acquisitions, and create clear lines of accountability for performance and oversight. The use of MSS will simplify data sharing and integrate workflows, fusing information across different warfighting functions and echelons. Its core capabilities, or "Decision Advantage Enablers," include battlespace management, joint targeting, fires and effects integration, and generative artificial intelligence. It also allows for the deployment of user-created applications. The system is being fielded to Air Operations Centers and supporting units to integrate fires and effects across Combatant Commands and Services.

The overarching objective is to enable a data-centric AOC Weapon System (AOC WS) that supports operational planning and execution at the speed and scale required to fight and win in a highly contested environment. To achieve this objective, the program is focused on several lines of effort (LOE). A foundational effort is the integration and standardization of Command and Control (C2) data, including the development of a C2 ontology to enable machine-speed reasoning across the enterprise.

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

	FY 2025	FY 2026	FY 2027
Title: AOC Decision Advantage	-	0.000	69.300
Description: The U.S. Air Force is implementing AOC Decision Advantage (ADA) to create high-functioning, cross-platform interoperability. ADA will provide AI-driven workflows and data connections to serve as a platform for Joint Command & Control. ADA simplifies data sharing and integrates workflows, fusing information across different warfighting functions and echelons. Its core capabilities, or "Decision Advantage Enablers," include battlespace management, joint targeting, fires and effects integration, and generative artificial intelligence. It also allows for the deployment of user-created applications. The Air Force will			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674597 / Kessel Run Flight Operations	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
field this system to its Air Operation Centers (AOCs) and select supporting units to integrate fires and effects across Combatant Commands and Services.			
FY 2026 Plans: N/A			
FY 2027 Plans: For FY 2027, funds will evolve the AOC Decision Advantage (ADA). The primary objective is to mature the data-centric AOC WS by delivering advanced integration and automation capabilities. These efforts are essential for achieving decision advantage and operational superiority in a highly contested environment, directly supporting critical CJADC2 objectives for Major Theater War (MTW) operations. This program will transition from initial capability development to providing advanced, dynamic decision support for the warfighter. ADA is executing the following integrated Lines of Effort (LOEs): - Advanced Data Integration. This LOE will focus on enhancing data interoperability to enable advanced task automation. Building on initial FY 2026 data standardization, the program will integrate Tactical Command and Control (TAC C2) data into the Maven Smart System (MSS) platform, enriching the common operational picture with authoritative C2 information. A key deliverable for this fiscal year is the development of a C2 ontology, which will create a machine-readable structure to dramatically increase interoperability and enable automated reasoning across disparate data sources. - Automation of the Air Tasking Cycle. The program will deliver the next tranche of automation capabilities. Work will focus on providing advanced plan generation and visualization tools to give commanders and planners clearer, more intuitive situational awareness. Furthermore, the program will develop integrated Mission Report (MISREP) and Tactical Report (TACREP) analysis, automating the ingestion and analysis of mission reports to accelerate the assessment phase of the targeting cycle and provide near real-time feedback into the ATC. - Dynamic Mission Replanning (DMR). This LOE will mature the Dynamic Mission Replanning (DMR) capability from initial development into a functional decision support tool. The program will leverage advanced algorithms and collaborative tools within MSS to provide warfighters with rapid, data-driven recommendations for in-flight mission adjustments. By integrating real-time data feeds with the newly developed C2 ontology, the system will be able to propose optimized solutions for rerouting assets, reassigning targets, and responding to emerging threats. - Warfighter Training and System Adoption. To ensure the effective employment of these advanced capabilities, the program will continue the strategic deployment of Palantir Field Service Representatives (FSRs). In FY 2027, FSR focus will shift to providing advanced training on DMR and automated analysis tools. Additionally, access will be expanded to include partner forces, enhancing coalition interoperability and supporting distributed operations.			
FY 2026 to FY 2027 Increase/Decrease Statement: FY 2027 funding increases due to escalating operational demands and evolved capability requirements. This increase is directly attributable to a significant rise in mission requirements supporting the broader AOC modernization effort and the need to meet			

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026	
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)	Project (Number/Name) 674597 / Kessel Run Flight Operations	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2025	FY 2026
critical Joint interoperability standards. This project funds the Air Force's portion of the DoW's enterprise-wide mission command applications strategy to accelerate AI-enabled decision-making as the cornerstone for CJADC2. This project accelerates mission critical software development by shifting from initial system integration to more resource-intensive tasks, including the creation of a C2 ontology and the development of advanced algorithms for Dynamic Mission Replanning (DMR). Additional resources are also required to develop new planning visualization and integrated Mission Report (MISREP) and Tactical Report (TACREP) analysis tools, while simultaneously hardening the system's cybersecurity posture. Program support costs also increase to enable and integrate these significant programmatic and technical shifts. This increased investment is essential to provide a data-centric system capable of providing decision advantage against a peer adversary.			
Title: Flight Operations 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 2026 Plans: - Combine and integrate multiple flight operations management programs to drive efficiencies in development, sustainment and management. - Support mandated stan/eval use for aircrew to ensure accountability and readiness to meet mission requirements. - Provide mission-ready forces to meet air tasking orders (ATO) for global wartime and peacetime operations. FY 2027 Plans: For FY 2027 plans, please refer to PE 0207461F BPAC 674597 (Kessel Run Flight Operations) FY 2026 to FY 2027 Increase/Decrease Statement: The FY 2027 funding for this major thrust decreases due to the Kessel Run Flight Operations project moving to PE 0207461F in FY 2027. Transfer of this project increases funding transparency of the project in a standalone funding line as it grows and matures into a reliable enterprise solution to replace legacy software, such as Patriot Excalibur (PEX).		0.000	16.898
Accomplishments/Planned Programs Subtotals		0.000	16.898

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Exhibit R-2A, RDT&E Project Justification: PB 2027 Air Force		Date: April 2026
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Cen ter (AOC)	Project (Number/Name) 674597 / Kessel Run Flight Operations
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
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 2027 Air Force												Date: April 2026			
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 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Decision Advantage	TBD	Not specified. : TBD	-	-		-		69.300	Nov 2026	-		69.300	Continuing	Continuing	-
Puckboard Development	C/FFP	Agile Defense : McLean, VA	-	-		6.324	Oct 2025	-		-		-	Continuing	Continuing	-
Flight Operations Development	TBD	TBD : TBD	-	-		3.049	Jun 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		9.373		69.300		-		69.300	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Federally Funded Research & Development Center (FFRDC) Engineers	C/CPFF	TBD : Hanscom AFB, MA	-	-		1.225	Oct 2025	-		-		-	Continuing	Continuing	-
Advisory and Assistance Services (A&AS)	C/CPFF	Various : Boston, MA	-	-		3.644	May 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		4.869		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Test Support	PO	Not specified. : Eglin AFB, FL	-	-		0.148	Jan 2026	-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.148		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 Air Force												Date: April 2026			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)						Project (Number/Name) 674597 / Kessel Run Flight Operations			
Management Services (\$ in Millions)				FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Decisive Mission Actions and Technology Services (DMATS)	MIPR	GSA : Boston, MA	-	-		0.524	Jul 2026	-		-		-	Continuing	Continuing	-
Program Office Support	Various	Program Management Office : Various	-	-		1.984	Oct 2025	-		-		-	Continuing	Continuing	-
Subtotal			-	-		2.508		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		16.898		69.300		-		69.300	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2027 Air Force			Date: April 2026		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207410F / Air & Space Operations Center (AOC)			Project (Number/Name) 674597 / Kessel Run Flight Operations

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Flight Operations																												
Software Development																												
Test and Evaluation																												
AOC Decision Advantage																												
Automated, Integrated Air Tasking Cycle (Strategy)																												
Automated, Integrated Air Tasking Cycle (Plan)																												
Automated, Integrated Air Tasking Cycle (Task)																												
Automated, Integrated Air Tasking Cycle (Execute)																												
Automated, Integrated Air Tasking Cycle (Assess)																												
Mission Partner Interoperability (Coalition Partners)																												
Mission Partner Interoperability (Joint Partners)																												
Mission Partner Interoperability (USAF Partners)																												
Operational Resiliency (Persist)																												
Operational Resiliency (Training)																												

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

Date: April 2026

Appropriation/Budget Activity

3600 / 7

R-1 Program Element (Number/Name)

PE 0207410F / Air & Space Operations Center (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	2026
Test and Evaluation	3	2026	4	2026
<i>AOC Decision Advantage</i>				
Automated, Integrated Air Tasking Cycle (Strategy)	3	2027	4	2030
Automated, Integrated Air Tasking Cycle (Plan)	1	2027	2	2029
Automated, Integrated Air Tasking Cycle (Task)	1	2028	4	2030
Automated, Integrated Air Tasking Cycle (Execute)	1	2027	4	2029
Automated, Integrated Air Tasking Cycle (Assess)	3	2028	4	2031
Mission Partner Interoperability (Coalition Partners)	2	2028	4	2031
Mission Partner Interoperability (Joint Partners)	4	2027	4	2030
Mission Partner Interoperability (USAF Partners)	1	2027	4	2029
Operational Resiliency (Persist)	4	2027	3	2030
Operational Resiliency (Training)	1	2027	4	2031