Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force											Date: March 2024	
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force* / BA 4: *Advanced Component Development & Prototypes (ACD&P)*					R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*							
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
Total Program Element	-	298.057	210.806	234.342	0.000	234.342	229.573	222.131	300.559	261.414	Continuing	Continuing
645350: *Experimentation*	-	175.143	95.233	69.108	0.000	69.108	73.406	74.462	76.345	77.851	Continuing	Continuing
645351: *Prototyping*	-	122.914	108.495	155.094	0.000	155.094	145.640	136.360	212.389	171.492	Continuing	Continuing
645352: *Architecture Design and Evaluation*	-	0.000	7.078	10.140	0.000	10.140	10.527	11.309	11.825	12.071	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Tech Transition Program addresses the gap between initial system-level technology or concept development and demonstration, and successful acquisition and operational capability implementation. The Tech Transition Program matures new warfighting concepts, rapidly develops fieldable prototypes, and performs experimentation to assess military utility of transition-ready weapon systems. This program utilizes multiple approaches and integrated activities to field technology for the warfighter focusing on efforts that are directly tied to the Secretary of the Air Force's (SecAF) Operational Imperatives.

Experimentation efforts explore new concepts and their applications in potential future operating environments within a system-of-systems context taking risks early in the acquisition process to drive a more optimized and efficient acquisition approach significantly reducing overall acquisitions costs.

Prototyping enables integration and demonstration of emerging technologies to quickly move them into warfighting capability. Following strategic guidance the Department of the Air Force has institutionalized Experimentation and Prototyping to achieve smarter, faster, and more efficient acquisitions that move technologies rapidly into the most critical warfighting capabilities.

The Tech Transition Program allows acquisition program managers (the capability developers) and warfighters (the capability recipients and end users) to prototype, integrate, and demonstrate candidate technologies and assess them in an operational system of systems environment in partnership with Combatant Commanders, Major and Field Commands, Program Executive Officers, schoolhouses, simulation facilities, and development planning organizations.

Architecture Design and Evaluation is directed by the DAF PEO C3BM with oversight by the Secretary of the Air Force along with the Chief of Staff of the Air Force, Chief of Space Operations, and Senior Acquisition Executive. This activity is supported by the Air Force Research Laboratory.

The total cost of the AKCS Middle Tier of Acquisition effort is $64.27 million, including RDT&E and procurement of prototype units. The AKCS 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 programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F, 0605831F, and/or 0606017F.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force* / BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	370.810	210.806	192.833	0.000	192.833
Current President's Budget	298.057	210.806	234.342	0.000	234.342
Total Adjustments	-72.753	0.000	41.509	0.000	41.509
• 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	-72.753	0.000	41.509	0.000	41.509

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: 645350: *Experimentation*		
Congressional Add: *Program Increase - Autonomous Air Combat Operations*	10.000	-
Congressional Add: *Program Increase Advanced Rotary Engine Hybrid Power System*	10.000	-
Congressional Add: *Program Increase - Operational Additive Manufacturing Capabilities*	9.800	-
Congressional Add: *Program Increase Advanced Air Mobility*	5.500	-
Congressional Add: *Program Increase - F35 Logistics Enhancements*	10.000	-
Congressional Add: *Program Increase - Hybrid Autonomous Maritime Expeditionary Logistics*	2.000	-
Congressional Add: *Program Increase Versatile Aerial Power System*	10.000	-
Congressional Add Subtotals for Project: 645350	57.300	-
Project: 645351: *Prototyping*		
Congressional Add: *Program increase - Logistics Enhancements*	0.000	0.000
Congressional Add: *Program increase - Alternative PNT phase III Demonstration*	0.000	-
Congressional Add Subtotals for Project: 645351	0.000	0.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force* / BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Congressional Add Totals for all Projects	57.300	0.000

Change Summary Explanation

The FY 2025 funding request was reduced by $3.019 million to account for the availability of prior year execution balances.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force											Date: March 2024	
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*				Project (Number/Name) 645350 / *Experimentation*			
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
645350: *Experimentation*	-	175.143	95.233	69.108	0.000	69.108	73.406	74.462	76.345	77.851	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Experimentation project funds experimentation campaigns to explore new concepts and their applications in operationally relevant environments and within a system-of-systems warfighting context. Operational Experimentation Campaigns are directly aligned and integrated with the SecAF and DAF priorities. Concepts and enabling technologies including but not limited to, target custody, airborne targeting and tracking, autonomy, spectrum warfare, artificial intelligence, machine learning, expeditionary base defense, agile combat operations, and joint all-domain operations hold great promise, yet their transition to acquisition programs and fielded capabilities is typically hampered due to uncertainties regarding their military utility and organizational adoption. Experimentation campaigns assess hypotheses that new capabilities will deliver decisive competitive advantage against our adversaries in a dynamic threat environment. These campaigns dramatically shorten and reduce the overall cost of the acquisition process by delivering robust information including operational utility assessments, training, tactics, and procedures (TTPs), total life cycle cost estimates, preliminary product support strategy, reliability and maintainability metrics, operational utility assessments and Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities and Policy implications.

A key element of the experimentation campaigns is strong stakeholder partnerships and buy-in from senior DAF leadership including the Secretary of the Air Force, Air Force Futures, Air Force Plans and Programs, US Space Force Futures and Integration, Office of the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics, warfighting Major Commands and Combatants Commands (capability recipients/end users), Space and Missile Systems Center and Air Force Material Command (capability developers) that ensures rapid transition of capabilities when operational utility, affordability, sustainability, and industrial capacity meet the Department of Air Force needs.

Experimentation campaigns are centered on an operational level warfighting concept to provide context for assessment. They use wargaming, simulation, demonstrations, and field/flight experimentation to evolve, refine, and validate the warfighting concepts leading to solid, evidence-based materiel and non-materiel capability development approaches with associated recommendations. Experimentation campaigns improve the effectiveness of operations by refining concepts and generating new information to address challenging threats of the future which aids the fielding of advanced technologies by providing the credible evidence needed to make sound strategic decisions and investment choices. Warfighting concepts evolve based on the latest threat assessments and the Experimentation Campaigns are likewise modified to ensure the Department of the Air Force retains a competitive advantage. Much of the Operational Experimentation efforts are more thoroughly described at higher classification levels.

Experimentation is focused on rapid learning and then pivoting existing or future capability development efforts based on that knowledge to ensure the most pressing operational gaps are addressed and our warfighting advantages are preserved. Further details can be provided in the appropriate forum.

B. Accomplishments/Planned Programs ($ in Millions)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Title: Experimentation Campaigns	117.843	95.233	69.108	0.000	69.108

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Description: Execution of Experimentation Campaigns to identify the competitive advantages of operational warfighting concepts and the technologies that enable these concepts. Activities may include flight tests, operational exercises, joint-service exercises, digital engineering, system-of-systems integration facilitated workshops, wargaming, modeling and simulation, and virtual and hardware prototyping to enable experimentation campaigns. ***FY 2024 Plans:*** Continue to execute Experimentation Campaigns that aim to assess and enable competitive advantages against near-peer adversaries and advance multi-domain operations to bring a convergence of effects, as directed by Department of the Air Force Leadership. In FY 2024 the App Enabled Rapidly Reprogrammable EW/EMS Systems (AERRES) program will evaluate the operational utility of open architectures for rapidly reprogrammable Electronic Warfare (EW) and assess the competitive advantages of Artificial Intelligence/Machine Learning Electromagnetic Spectrum (EMS) algorithms on several operational platforms in tactical operations. Software focused EW and AI/ML tools will enable responsive Electronic Attack to rapidly adapt and defeat near-peer RF threats. SDPE's Hawkeye Experimentation Campaign will perform end-to-end operational experimentation of a long-range joint-service kill chain, scale the capability up to the throughput needed for an operational system, and work with DOD USG organizations to transition the capability onto a DOD digital infrastructure. All relevant data from multiple domains is shared to contribute to the optimized joint-service targeting solution. The accuracy and latency of each data stream is coherently fused to form optimal targeting information. The target information is then passed through multiple communications pathways to the platforms. Under the FY 2019-2022 Hawkeye effort, all key elements were integrated in a simulated kill chain and demonstrated in live testing. Characterized of each element was completed at limited scale, and shown to be effective. The current effort fully integrates the Hawkeye effort into existing and new more resilient kill chains, scales the advancements to large numbers of platforms across the DoD, and transitions the capability to an operational digital infrastructure. FY 2024 funding will focus on targeting efficiency to demonstrate communications, track extraction, and weapon/target pairing. The Base Defense Battle Management Command and Control Experimentation efforts will continue to assess the operational effectiveness, maintainability, reliability, and suitability of the Hypervelocity Ground Weapon System (HGWS) to protect agile base operations. The system will be integrated with an operationally fielded USAF Command and Control (C2) systems providing centralized control and fusion of Joint Service sensors to					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
improve weapons quality track. Efforts will focus on evaluating the Air Defense Controller to reduce manpower, improve target engagement, cut engagement timelines, and assess operator limitations versus raids of various threats. SDPE will also explore low cost, nontraditional platforms such as high-altitude balloons and un-crewed, long endurance air platforms to sense and track adversary platforms and actions. SDPE will assess the operational capability of multiple long endurance platforms and their ability to work as a system of systems to collect and disseminate critical information. Additional efforts will continue to identify and evaluate potential game-changing Agile Combat Employment operations that enable Air Force expeditionary operations in austere, difficult to locate positions. Smaller experimentation campaigns will be undertaken to address the strategic dilemma posed at Air University's Chief of Staff of the Air Force sponsored Blue Horizons program. Only those Experimentation efforts that are deemed the absolute highest priority by the Department of the Air Force Leadership will be executed aiming to create technologies and processes that will provide the largest competitive advantages and produce the most significant dilemmas for our adversaries will be investigated or executed. Data from all efforts is provided directly to the Secretary of the Air Force, AF Plans and Programs (A8), Futures (5/7), Secretary of the Air Force for Acquisition, Technology and Logistics (AQ), and US Space Force Futures and Integration (S8), and the Space Warfighting Analysis Center (SWAC) to drive capability development. ***FY 2025 Base Plans:*** Continue to execute Experimentation Campaigns that aim to assess and enable competitive advantages against near-peer adversaries and advance multi-domain operations to bring a convergence of effects, as directed by Department of the Air Force Leadership. Several Operational Experimentation Campaigns will conclude in FY 2024 efforts focused on rapidly reprogrammable EW/EMS Systems and base defense systems. SDPE's Hawkeye Experimentation Campaign will continue to perform an end-to-end operational experimentation of a long-range, joint-service kill chain, scale the capability up to the throughput needed for an operational system, and work with DOD USG organizations to transition the capability onto a DOD digital infrastructure. All relevant data from multiple domains is shared to contribute to the optimized joint-service targeting solution. The accuracy and latency of each data stream is coherently fused to form optimal targeting information. The target information is then passed through multiple communications pathways to the platforms. Under the FY 2019-2022 Hawkeye effort, all key elements were integrated in a simulated kill chain and demonstrated in live testing. Characterized of each element was completed at a limited scale and shown to be effective. The current effort					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
fully integrates the Hawkeye effort into existing and new more resilient, kill chains, scales the advancements to large numbers of platforms across the DoD, and transitions the capability to an operational digital infrastructure. Specifically, in FY 2025, funding will focus on operational testing of weapon/target pairing capabilities and implementation of track extraction techniques. ***FY 2025 OCO Plans:*** Not Applicable ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 funding decreased compared to FY 2024 by $29.445 million to account for the availability of prior year execution balances.					
Accomplishments/Planned Programs Subtotals	117.843	95.233	69.108	0.000	69.108

	FY 2023	FY 2024
Congressional Add: Program Increase - Autonomous Air Combat Operations ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	10.000	-
Congressional Add: Program Increase Advanced Rotary Engine Hybrid Power System ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	10.000	-
Congressional Add: Program Increase - Operational Additive Manufacturing Capabilities ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	9.800	-
Congressional Add: Program Increase Advanced Air Mobility ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	5.500	-
Congressional Add: Program Increase - F35 Logistics Enhancements ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	10.000	-
Congressional Add: Program Increase - Hybrid Autonomous Maritime Expeditionary Logistics ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	2.000	-
Congressional Add: Program Increase Versatile Aerial Power System ***FY 2023 Accomplishments:*** Conduct Congressionally - Directed Efforts	10.000	-
Congressional Adds Subtotals	57.300	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• RDTE 04 0604025F: *Rapid Defense Experimentation Reserve (RDER)*	-	154.300	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Experimentation campaigns will aid the advancement and transition of advanced technologies by providing the credible evidence decision makers need to make sound strategic decisions and investment choices, to provide the warfighter with advanced capabilities. Air Force Futures, Air Force Plans and Programs, US Space Force Futures and Integration, and the Office of the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics direct experimentation campaigns. The Air Force Strategic Development Planning and Experimentation (SDPE) Office located at Wright-Patterson Air Force Base, Ohio and Eglin Air Force Base manages and executes each experimentation campaign. Contracting strategies vary based on the activities of each campaign.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645350 / *Experimentation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaigns	C/Various	Various : Various	-	-		19.467	Jan 2024	1.000	Jan 2025	-		1.000	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 1	C/CPAF	L3 Harris : Salt Lake City, UT	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 2	C/CPFF	Lockheed : Fort Worth, TX	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 3	C/CPFF	Space X : Hawthorne, CA	-	-		-		15.000	Jan 2025	-		15.000	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 4	Various	Various : Various	-	10.000	Dec 2022	20.000	Oct 2023	-		-		-	Continuing	Continuing	-
Experimentation Campaigns Hawkeye Contract 5	Various	Various : Various	-	18.000	Nov 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 6	Various	Various : Various	-	2.000	Dec 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 7	C/CPAF	GA-CCRI : Charlottesville, VA	-	-		-		16.000	Mar 2025	-		16.000	Continuing	Continuing	-
Experimentation Campaign Hawkeye Contract 8	C/CPAF	KBR Wyle : Colorado Springs, CO	-	-		-		10.000	Jan 2025	-		10.000	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft	Various	Various : Various	-	-		4.000	Jan 2024	-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 1	C/CPFF	Lockheed : Palmdale, CA	-	2.000	Jul 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 2	C/CPFF	Kratos : Colorado Springs, CO	-	2.000	May 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 3	C/CPFF	Calspan : Buffalo, NY	-	2.000	Jul 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 4	C/CPAF	Leidos : Reston, VA	-	2.000	Sep 2023	-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645350 / *Experimentation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Autonomous Attritable Aircraft Contract 5	C/CPAF	Infoscitex : Dayton, OH	-	2.000	Jun 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 6	C/CPAF	Fregata : St Louis, MO	-	2.000	Dec 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Contract 7	C/CPAF	GRE OTA : FL	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Blue Horizons	Various	Various : Various	-	2.250	Dec 2022	2.000	Nov 2023	3.500	Dec 2024	-		3.500	Continuing	Continuing	-
Experimentation Campaign Base Defense Gun Weapon System 1	C/CPFF	Raytheon : Tucson, AZ	-	7.000	Jan 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Base Defense Gun Weapon System 2	C/CPAF	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Base Defense National Advanced Surface to Air Missile System	C/CPFF	BAE : Minneapolis, MN	-	12.000	Dec 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Counter AI	C/CPAF	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AERRES	Various	Various : Various	-	6.500	Dec 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AMTI	Various	Various : Various	-	5.000	Feb 2023	3.000	Jan 2024	-		-		-	Continuing	Continuing	-
Experimentation Campaign Agile Combat Employment	Various	Various : Various	-	5.000	Dec 2022	-		0.000		-		0.000	Continuing	Continuing	-
Experimentation Campaign Saint Contract 1	TBD	TBD : TBD	-	-		-		5.705	Jan 2025	-		5.705	Continuing	Continuing	-
Congressional Add - Autonomous Air Combat Operations	Various	Various : Various	-	10.000	Oct 2023	-		-		-		-	0.000	10.000	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Congressional Add - advanced rotary engine hybrid power system	Various	Various : Various	-	10.000	Oct 2023	-		-		-		-	Continuing	Continuing	-
Congressional Add - operational additive manufacturing capabilities	Various	Various : Various	-	9.800	Dec 2023	-		-		-		-	Continuing	Continuing	-
Congressional Add - advanced air mobility	Various	Various : Various	-	5.500	Aug 2023	-		-		-		-	Continuing	Continuing	-
Congressional Add - F-35 Logistics Enhancements	Various	Various : Various	-	10.000	Jun 2024	-		-		-		-	Continuing	Continuing	-
Congressional Add - hybrid autonomous maritime expeditionary logistics	Various	Various : Various	-	2.000	Nov 2023	-		-		-		-	Continuing	Continuing	-
Congressional Add - Versatile Aerial Power System	Various	Various : Various	-	10.000	Dec 2023	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Unmanned Adversary Air (ADAIR UX)	Various	Various : Various	-	8.341	Jul 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	-	145.391		48.467		51.205		-		51.205	Continuing	Continuing	N/A

Remarks

Experimentation is focused on rapid learning and then pivoting based on that learning. Therefore, specific plans are not detailed to prevent locking into an approach that will likely shift based on current experimentation efforts. Further budget details can be provided in the appropriate forum.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Support	Various	Various : Various	-	1.361	Mar 2023	4.000	Jan 2024	-		-		-	Continuing	Continuing	-
Experimentation Campaign Autonomous Attritable Aircraft Support 1	MIPR	Perduco/GSA : O'Fallon, IL	-	5.200	Nov 2022	1.000	Nov 2023	-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Autonomous Attritable Aircraft Support 2	MIPR	OO-ALC : Ogden, UT	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye	Various	Various : Various	-	-		2.000	Dec 2023	1.000	Jan 2025	-		1.000	Continuing	Continuing	-
Experimentation Campaign Base Defense	MIPR	Various : Various	-	4.000	Nov 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Blue Horizons	MIPR	DOE : Oak Ridge, TN	-	0.250	Nov 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AERRES 1	MIPR	AAFC/AFR : Adelphi, MD	-	0.500	Oct 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AERRES 2	MIPR	SWRI : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AMTI	Various	Various : Various	-	1.000	Oct 2022	-		-		-		-	Continuing	Continuing	-
		Subtotal	-	12.311		7.000		1.000		-		1.000	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Test and Evaluation	MIPR	Various : Various	-	2.480	Dec 2022	5.000	Dec 2023	-		-		-	Continuing	Continuing	-
Experimentation Campaign Hawkeye	Various	Various : Various	-	-		10.000	Oct 2023	10.000	Jan 2025	-		10.000	0.000	20.000	-
Experimentation Campaign Autonomous Attritable Aircraft T&E 1	MIPR	Various : Various	-	5.094	Apr 2023	14.260	Feb 2024	-		-		-	Continuing	Continuing	-
Experimentation Campaign AERRES 1	MIPR	96 OSS : Eglin AFB, FL	-	3.770	Dec 2022	-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AERRES 2	MIPR	586th : CA	-	-		-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645350 / *Experimentation*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Base Defense	MIPR	Various : Various	-	4.000	Oct 2022	-		-		-		-	Continuing	Continuing	-
Blue Horizons	Various	Various : Various	-	1.000	Nov 2022	1.500	Nov 2023	-		-		-	Continuing	Continuing	-
Experimentation Campaign Counter AI	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign AMTI	Various	Various : Various	-	-		3.000	Jan 2024	-		-		-	Continuing	Continuing	-
		Subtotal	-	16.344		33.760		10.000		-		10.000	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Experimentation Campaign Contractor Support	Various	Various : Various	-	0.266	Oct 2022	0.300	Oct 2023	0.350	Oct 2024	-		0.350	Continuing	Continuing	-
Experimentation Campaign Program Management Administration Costs	Various	Various : Various	-	0.831	Nov 2022	5.706	Nov 2023	6.553	Nov 2024	-		6.553	Continuing	Continuing	-
		Subtotal	-	1.097		6.006		6.903		-		6.903	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	175.143		95.233		69.108		-		69.108	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

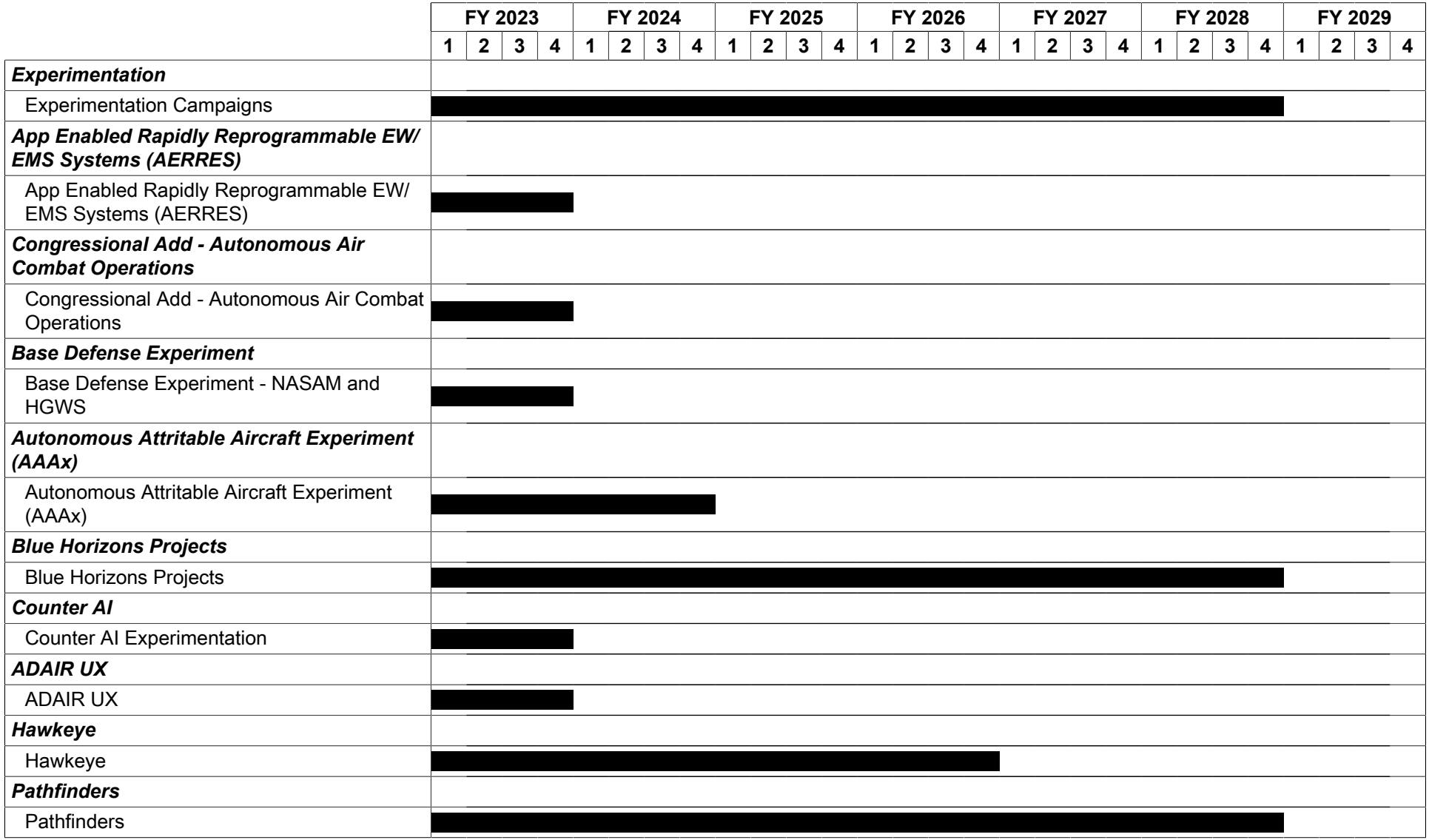

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

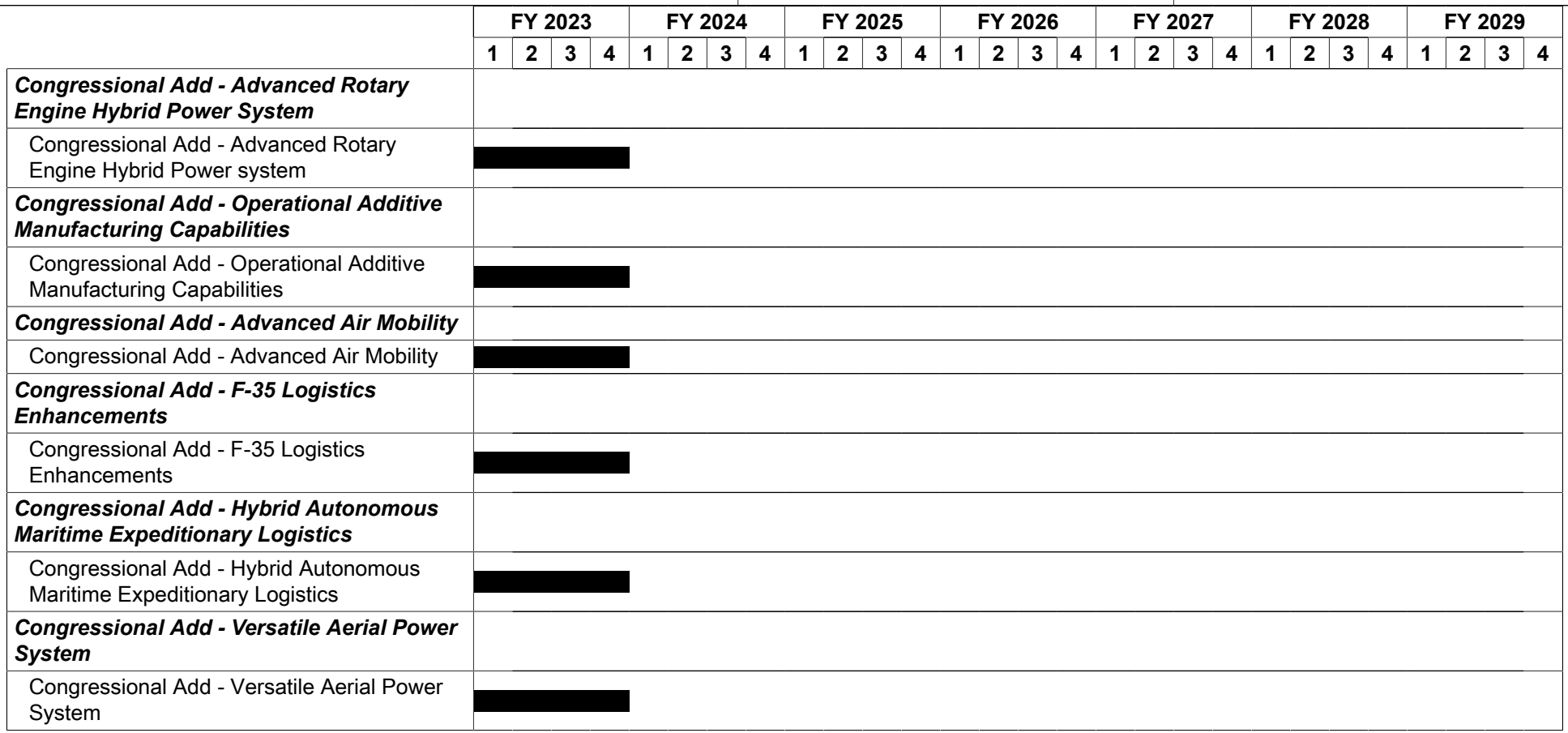

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Experimentation				
Experimentation Campaigns	1	2023	4	2028
App Enabled Rapidly Reprogrammable EW/EMS Systems (AERRES)				
App Enabled Rapidly Reprogrammable EW/EMS Systems (AERRES)	1	2023	4	2023
Congressional Add - Autonomous Air Combat Operations				
Congressional Add - Autonomous Air Combat Operations	1	2023	4	2023
Base Defense Experiment				
Base Defense Experiment - NASAM and HGWS	1	2023	4	2023
Autonomous Attritable Aircraft Experiment (AAAx)				
Autonomous Attritable Aircraft Experiment (AAAx)	1	2023	4	2024
Blue Horizons Projects				
Blue Horizons Projects	1	2023	4	2028
Counter AI				
Counter AI Experimentation	1	2023	4	2023
ADAIR UX				
ADAIR UX	1	2023	4	2023
Hawkeye				
Hawkeye	1	2023	4	2026
Pathfinders				
Pathfinders	1	2023	4	2028
Congressional Add - Advanced Rotary Engine Hybrid Power System				
Congressional Add - Advanced Rotary Engine Hybrid Power system	1	2023	4	2023
Congressional Add - Operational Additive Manufacturing Capabilities				

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645350 / *Experimentation*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Congressional Add - Operational Additive Manufacturing Capabilities	1	2023	4	2023
Congressional Add - Advanced Air Mobility				
Congressional Add - Advanced Air Mobility	1	2023	4	2023
Congressional Add - F-35 Logistics Enhancements				
Congressional Add - F-35 Logistics Enhancements	1	2023	4	2023
Congressional Add - Hybrid Autonomous Maritime Expeditionary Logistics				
Congressional Add - Hybrid Autonomous Maritime Expeditionary Logistics	1	2023	4	2023
Congressional Add - Versatile Aerial Power System				
Congressional Add - Versatile Aerial Power System	1	2023	4	2023

Note

Experimentation is focused on rapid learning and then pivoting based on that learning. They are used to determine the competitive advantage a technology or warfighting concept can have over our adversaries and ascertain operational utility. Often Experimentation Campaigns uncover new ways to use existing technology or how to exploit new Science and Technology for our competitive gain. Further schedule details regarding individual experimentation campaigns can be provided in the appropriate forum.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645351 / *Prototyping*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
645351: *Prototyping*	-	122.914	108.495	155.094	0.000	155.094	145.640	136.360	212.389	171.492	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Prototyping project enables demonstration of emerging technologies in an operational environment to determine and evaluate the competitive advantage against our adversaries and how the technology is integrated into the future fight.

Lifecycle Prototyping investments focus on three major thrusts (1) advancing capabilities of legacy weapon systems, (2) militarizing novel mature commercial technologies, and (3) exploring partnerships with Department of the Air Force Program Executive Officers to rapidly transition technologies. Prototype project investments that advance capabilities of legacy weapon systems focus on kinetic energy effectors for base defense and expeditionary employment operations, and software defined electronic warfare and communication capabilities. Prototype projects that seek to militarize novel mature commercial technologies will focus on artificial intelligence, autonomy, cyber warfare capabilities, digital engineering, and novel weapon and aircraft technologies.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Lifecycle Prototyping	122.914	20.274	66.837	0.000	66.837
Description: Following Strategic Department of Defense and Department of the Air Force direction cross-functional teams composed of operators, technologists, engineers, acquisition, and requirements personnel from across the Department of the Air Force execute Prototyping Campaigns to determine if and how much of a competitive advantage these systems can produce against our adversaries. Developmental Prototypes are an opportunity to understand the operational utility of a new warfighting concept or technology, while avoiding the pitfalls of entering a lengthy, formal acquisition program without the requisite knowledge of performance trade-offs and technical and programmatic risks. Prototypes integrated into carefully crafted operational Experimentation Campaigns provide immediate feedback to Department of the Air Force senior leaders driving rapid acquisition or divestment with minimal resources. Prototype efforts provide an initial capability if warranted that can act as a catalyst for future rapid acquisition. Exploring innovative prototypes that range across the full Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities and Policy spectrum gives Department of the Air Force senior leaders a quicker understanding of the potential operational utility, leading to better decisions on what to pursue with limited acquisition resources. ***FY 2024 Plans:*** A Rapid Dragon (palletized munitions) operational prototype will be built and will launch heterogeneous weapon loads identified by Department of the Air Force senior leaders that will provide strategic advantages against					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
China and other peer adversaries. SDPE will continue to work with DAF, MAJCOM, and COCOM partners to identify the most appropriate weapon systems. Palletized munition prototypes will be built and integrated into Joint Operations and Allied Partner exercises to understand the operational advantages that can be exploited across services and strategic allied partners. SDPE will continue to work with allied partners to assess the integration of the palletized effects concept in joint coalition exercises. Under Project SAINT, SDPE will build a digital environment to assess the ability to establish and maintain custody of adversary high value moving targets using cross-service, cross-agency, and commercial sensing capabilities. As part of the effort, SDPE will understand and utilize sense making algorithms to provide track fusion from distributed, multi-domain sensing sources within differing accuracies and time of arrival. ***FY 2025 Base Plans:*** SDPE will complete operational testing of the Rapid Dragon (palletized effects) system while assessing the strategic advantages the system provides against China and other peer adversaries. SDPE will continue to work with DAF, MAJCOM, COCOM, and the Air Force Life Cycle Management Center to transition the system and warfighting concept as needed. Rapid Dragon will integrate new palletized effects into the delivery system to include kinetic, non-kinetic, and a long distance resupply vehicle for Humanitarian Aid/Disaster Relief. The Operational Prototype will be built and integrated into Joint Operations and Allied Partner exercises to understand the operational advantages that can be exploited across services and strategic allied partners. SDPE will continue to work with allied partners to assess the integration of the palletized effects concept in joint coalition exercises. SAINT will prototype a Custody Engine that will maintain continual custody of high value moving targets through cooperative and autonomous orchestration with ISR collection nodes and battlespace manager nodes among the JADC2 enterprise. SDPE will also continue to assess the digital environment demonstrated as part of the SAINT effort and its ability to establish and maintain custody of adversary high value moving targets using cross-service, cross-agency, and commercial sensing capabilities. Work will utilize and test sense making algorithms to provide track fusion from distributed, multi-domain sensing sources within differing accuracies and time of arrival. Working with the Command, Control, Communications and Battle Management (C3BM) office, SDPE will integrate SAINT capabilities into existing and future AF digital networks. ETV conducts multi-phase prototyping and demonstration activities for modular and open-architected Enterprise Test Vehicles (ETV) - or test "truck" - designs to reduce risk across all future advanced weapons capabilities. ETV demos will lead to prototype demonstrations of weaponized ETVs. Each phase will cultivate flexibility in					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
integrating internal components to meet evolving weapons requirements while maintaining a keen focus on affordability and the mitigation of prolonged time-to-field cycles. Phases will include "proof of manufacturability" demonstrations to prove out high-rate distributed manufacturing methods. Demonstrations will be performed to prove out modularity between weapon variants and between third-party vendor components. Technology challenges will be performed to identify and stimulate affordable, highly manufacturable components in the marketplace. Demonstrations will include maturing different options for weapon employment, to include palletized employment, collaborating air launch, ground launch, and others. Successful demonstration will transition to production. The first demonstration will be a low-cost cruise missile design, also known as Franklin, to be used as an affordable mass weapon. ***FY 2025 OCO Plans:*** Not Applicable ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 funding increased by $52.268 million from FY 2024 due to funding for SAINT and Enterprise Test Vehicle (ETV).					
Title: Rapid Defense Experimentation Reserve ***Description:*** The Department of Defense implement multiple RDER experimentation series through Service nominated projects with execution timelines ranging from one to two years. The USD (R&E) will review project progress, and recommend new projects at least annually with the goal of quickly incorporating the most promising innovative prototypes into experiments, and promptly terminating projects that fail to achieve expectations. To incentivize a disciplined approach to rapidly identify, incorporate, and execute projects largely through the Military Services, the Department will fund approved Service projects for the upcoming fiscal year out of the Department reserves. Funding decisions on additional funds in follow-on years for new projects, and funding decrements for project terminations will be incorporated in budgets annually based on emerging requirements and periodic assessments of project viability. Services will execute these funds under oversight of the OSD in a manner consistent with the experimentation scenario for which individual projects were selected. Service experimentation outcomes will be designed to validate required capabilities enabling the JWC by evaluating and integrating prototyped technologies in operationally relevant, multi-domain environments. Experimentation results will facilitate Joint Staff analysis in the evaluation of the Joint Warfighting Concept, assist the Joint Requirements Oversight Counsel in requirements determination, and inform the Deputy's Management Action Group to make budget decisions that effect changes throughout the Department. ***FY 2024 Plans:***	0.000	0.000	0.000	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Not Applicable ***FY 2025 Base Plans:*** Not Applicable ***FY 2025 OCO Plans:*** Not Applicable ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Not Applicable					
Title: Blended Wing Body - Next Generation Aircraft	0.000	88.221	88.257	-	88.257
Description: In partnership with other government agencies, allies, industry stakeholders, and private investors, the Blended Wing Body (BWB) aircraft design, manufacture, certification, and flight test campaign will demonstrate a 30% increase in aerodynamic efficiency over traditional tube-and-wing aircraft. For military applications, initial analysis shows increased combat capability for both aerial refueling and cargo aircraft (e.g. an aircraft with 30% increased aerodynamic efficiency, with current commercial off-the-shelf engine technology, can provide at least 60% increased aerial refueling offload at range). Project goals include flight demonstration of a large prototype BWB aircraft with advanced aerodynamic and structural design features for increased fuel efficiency and decreased noise footprint that scales up or down to enable acquisition by a broader community of government and industry stakeholders. This project works in coordination with DOD's Chief Sustainability Officer and the Air Force Operational Energy office. ***FY 2024 Plans:*** Continue execution of prototype development of a blended wing body (BWB) aircraft. Utilize digital environment for airframe design iteration and risk reduction. Manufacturing technology maturation and risk reduction, as well as design integration of advanced composites, non-cylindrical pressure vessel technology expanding on work done by NASA, flight control laws, and nacelle-airframe optimization. Complete initial requirements generation phase, continue BWB aircraft multi-domain design optimization, structural analysis and component testing, and avionics and flight control system integration plan. Incorporate life-cycle sustainment cost considerations into design phase. Initial airworthiness and test planning for prototype BWB aircraft. ***FY 2025 Base Plans:*** Execute prototype development of a blended wing body (BWB) aircraft. Creation of digital environment for airframe design iteration and risk reduction. Manufacturing technology maturation and risk reduction, as well as design integration of advanced composites, non-cylindrical pressure vessel technology expanding on work done					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
by NASA, flight control laws, and nacelle-airframe optimization. Complete initial requirements generation phase, continue BWB aircraft design, structural analysis and component testing, and avionics and flight control system integration plan. Incorporate life-cycle sustainment cost considerations into design phase. Initial airworthiness and test planning for prototype BWB aircraft. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Not Applicable					
Accomplishments/Planned Programs Subtotals	122.914	108.495	155.094	0.000	155.094

	FY 2023	FY 2024
Congressional Add: Program increase - Logistics Enhancements ***FY 2023 Accomplishments:*** Not Applicable ***FY 2024 Plans:*** Not Applicable	0.000	0.000
Congressional Add: Program increase - Alternative PNT phase III Demonstration ***FY 2023 Accomplishments:*** Not Applicable	0.000	-
Congressional Adds Subtotals	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• RDTE 04 0604025F: *Rapid Defense Experimentation Reserve (RDER)*	-	154.300	-	-	-	-	-	-	-	Continuing	Continuing
• RDTE 04 0604009F: *AFWERX Prime*	41.909	-	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Prototyping campaigns will aid the advancement and transition of advanced technologies by providing the credible evidence decision makers need to make sound strategic decisions and investment choices, to provide the warfighter with advanced capabilities. Air Force Futures, Air Force Plans and Programs, US Space Force Futures and Integration, and the Office of the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics direct experimentation campaigns. The Air

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
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Force Strategic Development Planning and Experimentation (SDPE) Office located at Wright-Patterson Air Force Base, Ohio and Eglin Air Force Base manages and executes each experimentation campaign. Contracting strategies vary based on the activities of each campaign.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645351 / *Prototyping*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Requirements	Various	Not specified. : Various	-	-		20.274	Mar 2024	-		-		-	Continuing	Continuing	-
Prototyping Campaign Global Lightning Commercial Space Internet Contract 1	C/CPFF	Raytheon : McKinney, TX	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Global Lightning Commercial Space Internet Contract 3	C/CPFF	SpaceX : Hawthorne, CA	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Global Lightning Commercial Space Internet Contract 4	C/CPFF	Northrop Grumman : San Diego, CA	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Global Lightning Commercial Space Internet Contract 5	C/CPFF	L3 : Salt Lake City, UT	-	-		-		-		-		-	0.000	0.000	-
Prototyping Campaign Global Lightning Commercial Space Internet Contract 8	C/CPFF	Lockheed Martin : Fort Worth, TX	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Base Defense Contract 1	C/CPFF	BAE : Minneapolis, MN	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Hawkeye	C/CPFF	Space X : Hawthorne, CA	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Hawkeye Contract 2	C/CPFF	Ball Aerospace : Boulder, CO	-	-		-		-		-		-	Continuing	Continuing	-
Experimentation Campaign Unmanned Adversary Air (ADAIR UX)	Various	Various : TBD	-	36.659	Jul 2023	-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Autonomous Attritable Aircraft Contract 1	C/CPFF	CALSPAN : Buffalo, NY	-	-		-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Campaign Autonomous Attritable Aircraft Contract 2	C/CPFF	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Autonomous Attritable Aircraft Contract 3	C/CPFF	Lockheed : Various	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Palletized Munitions (Rapid Dragon) Contract 1	C/CPFF	Lockheed Martin : Orlando, FL	-	20.000	May 2023	-		20.000	Dec 2024	-		20.000	Continuing	Continuing	-
Prototyping Campaign Saint Contract 1	TBD	TBD : TBD	-	-		-		11.295	Jan 2025	-		11.295	Continuing	Continuing	-
Regional Operating Picture	C/Various	Persistent Systems, LLC : New York, NY	-	32.000	May 2023	-		-		-		-	Continuing	Continuing	-
Congressional Add alternative PNT phase III demonstration	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Next Gen Large Aircraft (BWB)	MIPR	DIU : Mountain view, CA	-	-		79.518	Dec 2023	-		-		-	Continuing	Continuing	-
Next Gen Large Aircraft (BWB) Contract 1	TBD	TBD : TBD	-	-		-		88.257	Jan 2025	-		88.257	Continuing	Continuing	-
Enterprise Test Vehicle (ETV)	TBD	TBD : TBD	-	-		-		25.473	Jan 2025	-		25.473	Continuing	Continuing	-
Congressional Add Logistics Enhancements	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Rapid Defense Experimentation Reserve (RDER) CONCEAD	Various	Various : Various	-	0.000	Mar 2023	-		-		-		-	Continuing	Continuing	-
Rapid Defense Experimentation Reserve (RDER) Global Thunder	Various	Various : Various	-	0.000	Dec 2022	-		-		-		-	Continuing	Continuing	-
Rapid Defense Experimentation Reserve (RDER) Classified	Various	Various : Various	-	0.000	Nov 2022	-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645351 / *Prototyping*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Rapid Defense Experimentation Reserve (RDER) TURUL	Various	Various : Various	-	0.000	Jan 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	-	88.659		99.792		145.025		-		145.025	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Campaign Global Lightning Commercial Space Internet Support 1	MIPR	BAH : Tysons Corner, VA	-	-		-		-		-		-	0.000	0.000	-
Prototyping Campaign Global Lightning Commercial Space Internet Support 3	MIPR	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Base Defense Support 1	MIPR	JHU : Baltimore, MD	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Base Defense Support 3	MIPR	Navy : Dahlgren, VA	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Palletized Munitions (Rapid Dragon)	MIPR	Dahlgren Navy : Dahlgren, VA	-	1.500	Apr 2023	-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Palletized Munitions (Rapid Dragon) 2	MIPR	412 TW : Edwards AFB, CA	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Palletized Munitions Support	Various	Various : Various	-	2.000	Apr 2023	-		3.900	Dec 2024	-		3.900	Continuing	Continuing	-
Prototyping Campaign Autonomous Attritable Aircraft	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645351 / *Prototyping*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Campaign Podded Position Navigation and Timing Prototyping	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Regional Operating Picture	C/Various	Persistent Systems, LLC : New York, NY	-	5.500	Jan 2023	-		-		-		-	Continuing	Continuing	-
Next Generation Large Aircraft Test Support (BWB)	MIPR	Various : Various	-	-		3.053	Nov 2023	-		-		-	Continuing	Continuing	-
		Subtotal	-	9.000		3.053		3.900		-		3.900	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Campaign Global Lightning Commercial Space Internet	MIPR	Various : Various	-	-		-		-		-		-	0.000	0.000	-
Prototyping Campaign Palletized Munitions (Rapid Dragon)	MIPR	Various : Various	-	6.546		-		2.000	Dec 2024	-		2.000	Continuing	Continuing	-
Prototyping Campaign Base Defense	MIPR	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Autonomous Attritable Aircraft	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Hawkeye	MIPR	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Regional Operating Picture	C/Various	Persistent Systems LLC : New York, NY	-	18.000	Jan 2023	-		-		-		-	Continuing	Continuing	-
Prototyping Campaign Podded Position	Various	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Navigation and Timing Prototyping															
Next Generation Large Aircraft (BWB)	MIPR	Various : Various	-	-		2.877	Jan 2024	-		-		-	Continuing	Continuing	-
		Subtotal	-	24.546		2.877		2.000		-		2.000	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prototyping Contractor Support	Various	Various : Various	-	0.327	Sep 2023	0.698		0.400	Nov 2024	-		0.400	Continuing	Continuing	-
Prototyping Program Management Administration Costs	Various	Various : Various	-	0.382	Feb 2023	2.075	Nov 2023	3.769	Mar 2025	-		3.769	Continuing	Continuing	-
		Subtotal	-	0.709		2.773		4.169		-		4.169	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	122.914		108.495		155.094		-		155.094	Continuing	Continuing	N/A

Remarks

Additional details can be provided in the appropriate forum.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

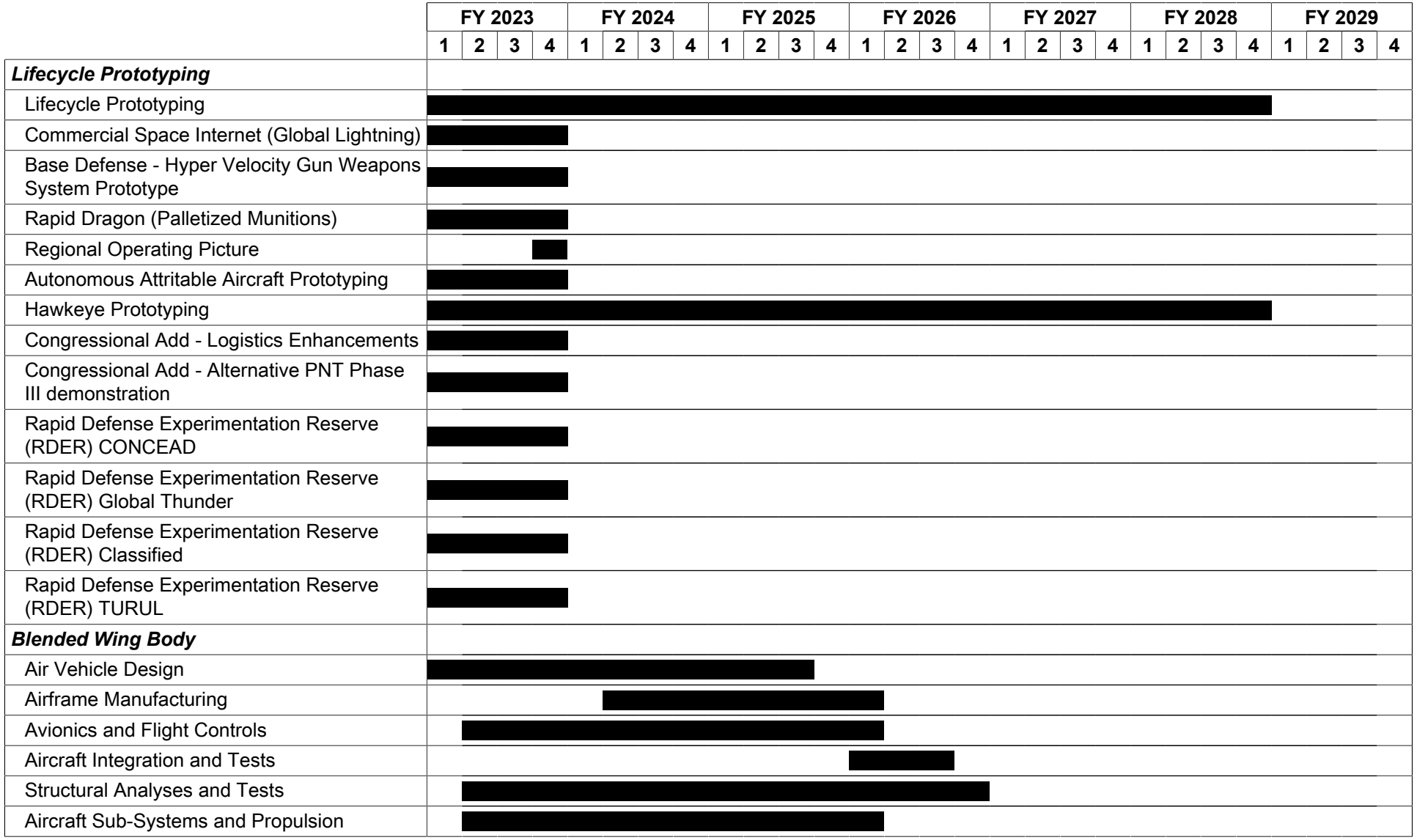

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

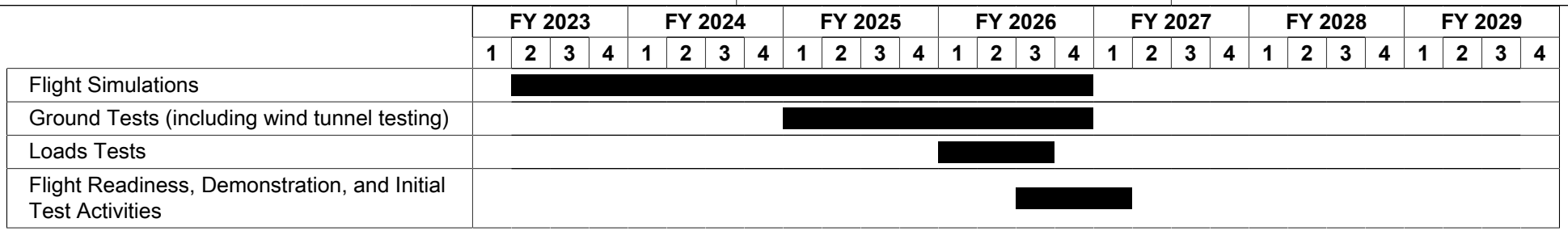

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Lifecycle Prototyping				
Lifecycle Prototyping	1	2023	4	2028
Commercial Space Internet (Global Lightning)	1	2023	4	2023
Base Defense - Hyper Velocity Gun Weapons System Prototype	1	2023	4	2023
Rapid Dragon (Palletized Munitions)	1	2023	4	2023
Regional Operating Picture	4	2023	4	2023
Autonomous Attritable Aircraft Prototyping	1	2023	4	2023
Hawkeye Prototyping	1	2023	4	2028
Congressional Add - Logistics Enhancements	1	2023	4	2023
Congressional Add - Alternative PNT Phase III demonstration	1	2023	4	2023
Rapid Defense Experimentation Reserve (RDER) CONCEAD	1	2023	4	2023
Rapid Defense Experimentation Reserve (RDER) Global Thunder	1	2023	4	2023
Rapid Defense Experimentation Reserve (RDER) Classified	1	2023	4	2023
Rapid Defense Experimentation Reserve (RDER) TURUL	1	2023	4	2023
Blended Wing Body				
Air Vehicle Design	1	2023	3	2025
Airframe Manufacturing	2	2024	1	2026
Avionics and Flight Controls	2	2023	1	2026
Aircraft Integration and Tests	1	2026	3	2026
Structural Analyses and Tests	2	2023	4	2026
Aircraft Sub-Systems and Propulsion	2	2023	1	2026
Flight Simulations	2	2023	4	2026
Ground Tests (including wind tunnel testing)	1	2025	4	2026

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645351 / *Prototyping*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Loads Tests	1	2026	3	2026
Flight Readiness, Demonstration, and Initial Test Activities	3	2026	1	2027

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604858F / *Tech Transition Program*	Project (Number/Name) 645352 / *Architecture Design and Evaluation*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
645352: *Architecture Design and Evaluation*	-	0.000	7.078	10.140	0.000	10.140	10.527	11.309	11.825	12.071	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In September 2022, the Secretary of the Air Force (SecAF) directed the standup of the DAF Integrating Program Executive Office for Command, Control, Communication and Battle Management (DAF PEO C3BM). The construct emerged out of the Operational Imperatives (OI) analysis that identified a significant need for C3BM integration and a greater level of systems engineering and technical discipline across the enterprise to ensure the effectiveness of ABMS in supporting DAF operations. Notably, DAF PEO C3BM combines the previous efforts of the DAF Rapid Capabilities Office (RCO) ABMS program and the DAF Chief Architect Office (CAO). Furthermore, DAF PEO C3BM works in a federated manner with other PEOs across the DAF with C3BM equity to orchestrate end-to-end capability delivery. By bringing the ABMS and CAO portfolio of programs and authorities under a single PEO and then conferring unto that PEO the responsibility to integrate broader DAF battle management and C2 capabilities, one organization now has the architectural authorities to direct technical integration activities across the DAF while also having the acquisition authorities of a PEO to execute organic materiel solutions to field a survivable, distributable command and control capability into the integrated DAF BATTLE NETWORK.

Architecture Design and Evaluation is directed by the DAF PEO C3BM with oversight by the Secretary of the Air Force along with the Chief of Staff of the Air Force, Chief of Space Operations, and Senior Acquisition Executive. This activity is supported by the Air Force Research Laboratory.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Department of the Air Force Tech Architecture. 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, 0605831F and/or 0604858F.

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: DAF Architecture Design and Integration	0.000	7.078	10.140	-	10.140
Description: DAF PEO C3BM combined the roles of the Chief Architect and the Chief Engineer into a single office called the Architecture and Systems Engineering (ASE) office, which is responsible for the technical integrity of the DAF BATTLE NETWORK as we integrate ABMS capabilities, the rest of the DAF's C2 systems,					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645352 / *Architecture Design and Evaluation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
and other Services' capabilities under JADC2. Architecture integration in system-of-systems mission threads and environments is critical to deliberately advancing the DAF's technological edge by informing architecture design, acquisition investments, system requirements for future capabilities, and acquisition baseline updates for current systems. Architecture Design and Evaluation provides the subject matter expertise to develop mission-focused architectures to enable cross-cutting architecture development across Program Executive Offices, Major Commands, and Space Deltas. Architecture Design and Evaluation analyzes science, technology, research, development, and experimentation enterprises to determine the technical and operational feasibility of new technical concepts. ***FY 2024 Plans:*** Provide subject matter expertise and product development capability to develop and maintain: - Digital engineering - Create or leverage common way for all the mission integration teams to aggregate various data products and make them available to the community. Fund Model-Based Systems Engineering at multiple security levels, to include TS/SCI and SAP level, for all ASE and DAF/OSD/Joint partners. Develop Modeling & Simulation capabilities to enable evaluation of C3BM systems. - Mission Domain Architectures and Mission Integration Teams - Support operational analysis, architecture modeling, systems engineering, risk reduction, and architecture test and evaluation. - Operational Response Team - Support operational integration and experimentation of C3BM Digital Infrastructure development. ***FY 2025 Base Plans:*** - Continue to provide subject matter expertise and product development capability to develop and maintain: - Continue digital engineering - Create or leverage common way for all the mission integration teams to aggregate various data products and make them available to the community. Fund Model-Based Systems Engineering at multiple security levels, to include TS/SCI and SAP level, for all ASE and DAF/OSD/Joint partners. Develop Modeling & Simulation capabilities to enable evaluation of C3BM systems. - Continue Mission Domain Architectures and Mission Integration Teams - Support operational analysis, architecture modeling, systems engineering, risk reduction, and architecture test and evaluation. - Continue Operational Response Team - Support operational integration and experimentation of C3BM Digital Infrastructure development. ***FY 2024 to FY 2025 Increase/Decrease Statement:***					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645352 / *Architecture Design and Evaluation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
FY 2025 funding increased from FY 2024 by $3.068 million due to adding SME expertise for architecture development and product development to ensure the technical integrity of the system of systems integration across air, space, maritime, land, and homeland defense domains to integrate across PEO, Major Commands and Space Deltas.					
Accomplishments/Planned Programs Subtotals	0.000	7.078	10.140	-	10.140

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• RDTE 04 0604006F: *Dept of the Air Force Tech Architecture*	0.000	2.620	2.899	-	2.899	3.138	3.919	4.281	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645352 / *Architecture Design and Evaluation*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
C3BM Architecture Development	Various	Various : Various	-	-		6.000	Oct 2023	8.000		-		8.000	Continuing	Continuing	-
		Subtotal	-	-		6.000		8.000		-		8.000	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
C3BM ORT Evaluation	Various	Various : Various	-	-		0.078	Oct 2023	1.000		-		1.000	Continuing	Continuing	-
		Subtotal	-	-		0.078		1.000		-		1.000	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	Various	Various : Various	-	-		1.000	Oct 2023	1.140		-		1.140	Continuing	Continuing	-
		Subtotal	-	-		1.000		1.140		-		1.140	Continuing	Continuing	N/A

	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		7.078		10.140		-		10.140	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645352 / *Architecture Design and Evaluation*

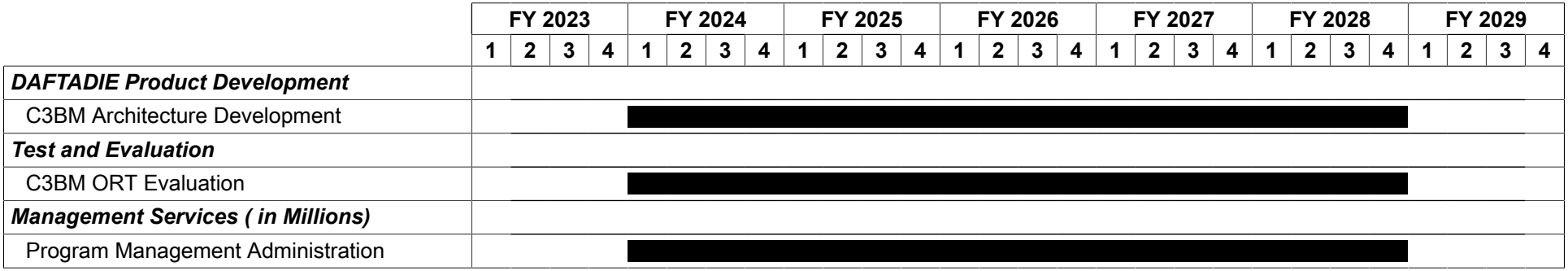

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	**R-1 Program Element (Number/Name)** PE 0604858F / *Tech Transition Program*	**Project (Number/Name)** 645352 / *Architecture Design and Evaluation*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
DAFTADIE Product Development				
C3BM Architecture Development	1	2024	4	2028
Test and Evaluation				
C3BM ORT Evaluation	1	2024	4	2028
Management Services (in Millions)				
Program Management Administration	1	2024	4	2028