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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604295M I (U)MARINE AVIATION DEMONSTRATION/VALIDATION
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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	0.000	0.000	0.000	62.317	-	62.317	66.550	54.530	55.093	65.566	Continuing	Continuing
3751: <i>Vertical Takeoff and Landing Development</i>	0.000	0.000	0.000	57.318	-	57.318	61.446	49.324	49.784	60.151	Continuing	Continuing
3752: <i>Future Capabilities Transition</i>	0.000	0.000	0.000	4.999	-	4.999	5.104	5.206	5.309	5.415	Continuing	Continuing

Note

Funds increase from FY 2024 to FY 2025 due to transfer of effort from PE 0604212M to PE 0604295M beginning in FY 2025. This effort is not a new start.

A. Mission Description and Budget Item Justification

Marine Aviation Demonstration/Validation supports the development of Marine Aviation's future capability concepts, progressing these efforts from concept through demonstration and transition into Program of Record (PoR). This Program Element includes funding for the development of USMC Vertical Take-Off and Landing (VTOL), Marine Air-Ground Task Force Unmanned Aerial Systems Expeditionary (MUX), Tactical Air and the requisite capabilities that enable a cohesive capabilities-based portfolio approach for future Marine Aviation concepts. This PE will include development and prototyping efforts to progress high-risk technology areas in support of future Marine Aviation capabilities.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models 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	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	62.317	-	62.317
Total Adjustments	0.000	0.000	62.317	-	62.317
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	62.196	-	62.196
• Rate/Misc Adjustments	0.000	0.000	0.121	-	0.121

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604295M I (U) <i>MARINE AVIATION DEMONSTRATION/VALIDATION</i>	
<u>Change Summary Explanation</u> Technical: Not applicable. Schedule: Not applicable. Cost: Funds increase due to transfer of effort from PE 0604212M to PE 0604295M beginning in FY 2025. This effort is not a new start.		

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION				Project (Number/Name) 3751 / Vertical Takeoff and Landing Development			
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
3751: Vertical Takeoff and Landing Development	0.000	0.000	0.000	57.318	-	57.318	61.446	49.324	49.784	60.151	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

United States Marine Corps (USMC) Vertical Take-Off and Landing (VTOL) Development portfolio addresses vertical lift capability requirements that are feasible and affordable in support of the USMC Warfighter. This is a supporting element of the USMC's Force Design 2030 guidance. The USMC VTOL Development portfolio will facilitate developmental and operational prototyping and demonstration of capabilities in alignment with mission focused areas supporting Logistics/Aviation Sustainment, Attack/Strike, and Assault Support. Project activities are closely aligned with the OSD-sponsored FVL FoS initiative and will look to leverage any aspects of the Joint Service programs that may benefit the USMC through accelerated development and/or reduced life cycle costs. USMC's VTOL Development portfolio will be a force multiplier with superior performance, payload, survivability, agility, endurance, and reliability that enables Warfighters to win in a future dynamic battlespace. This project provides increased Marine Air-Ground Task Force's (MAGTF) capacity for long-range fires, Logistics/Aviation Sustainment, Attack/Strike, and Assault Support through the development of capabilities such as the Aerial Logistics Connector to support Contested Logistics. Project activities directly support Force Design 2030 by enabling the Stand-in Force (SiF), Expeditionary Advanced Basing Operations (EABO), and Littoral Operations in a Contested Environment (LOCE).

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: USMC Vertical Take-Off and Landing (VTOL) Development	0.000	0.000	57.318	0.000	57.318
Articles:	-	-	-	-	-
FY 2024 Plans: N/A					
FY 2025 Base Plans: Tasks to be performed include: Acquisition Program Management functions, Acquisition Documentation, Engineering modeling and analysis, Test and Evaluation planning and development, a Model Based System Specification, continuation of the major operational demonstration contract with vendors participating in Fleet exercises. Awarded operational demonstration vendors will perform tradespace analysis and design review events to inform specification development and subsystem integration requirements for future platform militarization efforts. Attack/Strike Concept Development and Technology Maturation (CDTM) efforts in critical high-risk technology areas, culminating in design trade studies and rapid prototyping on associated systems, include the Weapons Integration Risk Reduction (WIRR) OTA. Assault Support CDTM efforts will include trade studies, virtual simulation, conceptual design, and prototyping of air vehicles. Additive manufacturing/propulsion					

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3751 / Vertical Takeoff and Landing Development

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
risk reduction efforts will be demonstrated on current inventory engine assets to inform expeditionary, forward deployed capabilities. FY 2025 OCO Plans: N/A FY 2024 to FY 2025 Increase/Decrease Statement: Funds increase from FY 2024 to FY 2025 due to operational demonstration and Concept Development and Technology Maturation (CDTM) events.					
Accomplishments/Planned Programs Subtotals	0.000	0.000	57.318	0.000	57.318

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

N/A

Remarks

D. Acquisition Strategy

The Analysis of Alternatives (AoA) was initiated in 3QFY2017 to begin the assessment of the technical feasibility, operational feasibility, technical risk, and affordability of potential solutions. The AoA was completed in FY2019 resulting in OSD Sufficiency. In FY 2021, acquisition and requirements documentation refinement continued. MBSE BAAs awarded and execution progressed, allowing the Program to gain insight alongside Industry in implementing Digital Engineering for systems design. In FY 2022, requirements analysis and document generation continued and multiple MOSA OTAs were awarded. In FY 2023, MOSA OTA execution continued, multiple Weapons Integration Risk Reduction (WIRR) OTA awards occurred, a VTOL FoS ICD was routed for MROC approval, and concept development and technology maturation efforts continued. The accumulation of prior year risk reductions allowed for the Program to justify a Middle Tier of Acquisition (MTA) approach, with a Rapid Prototyping phase entry in FY 2024. In FY 2024, a major Rapid Prototyping demonstration contract will award that will result in the demonstration of multiple platforms from FY 2024 through FY 2026, leading into follow-on integration and development efforts for platforms that satisfy USMC requirements. In FY 2026, major integration and system development efforts will continue and inform Rapid Fielding phase entry for the Aerial Logistics Connector in FY 2028.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3751 / Vertical Takeoff and Landing Development
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Operational Demonstration: Logistics Connector	C/FFP	Various : Various	0.000	0.000		0.000		25.125	Nov 2024	-		25.125	Continuing	Continuing	Continuing
Assault Support CDTM	Various	Various : Various	0.000	0.000		0.000		3.269	Nov 2024	-		3.269	Continuing	Continuing	Continuing
Attack/Strike CDTM	Various	Various : Various	0.000	0.000		0.000		9.735	Jan 2025	-		9.735	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		38.129		-		38.129	Continuing	Continuing	N/A

Remarks
Product Development supports continuation of operational prototyping and demonstration contract awarded in FY 2024. Successful prototype assets will be modified to integrate operationally relevant subsystems and mission packages.

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		7.749	Nov 2024	-		7.749	Continuing	Continuing	Continuing
Development Support	Various	Various : Various	0.000	0.000		0.000		6.351	Nov 2024	-		6.351	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		14.100		-		14.100	Continuing	Continuing	N/A

Remarks
Development Support is required for generation of requirements documentation and Government engineering associated with operational prototyping and demonstration contract.

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	Various : Various	0.000	0.000		0.000		1.611	Dec 2024	-		1.611	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		1.611		-		1.611	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3751 / Vertical Takeoff and Landing Development
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

Remarks
Test and Evaluation supports multiple planned demonstration and exercise events planned in FY 2025 and transition into testing of operationally relevant subsystems and mission packages on prototype assets.

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Contractor Management Support	C/CPIF	Various : Various	0.000	0.000		0.000		1.114	Feb 2025	-		1.114	Continuing	Continuing	Continuing
Program Management Support	WR	Various : Various	0.000	0.000		0.000		2.255	Nov 2024	-		2.255	Continuing	Continuing	Continuing
Travel	C/BA	Various : Various	0.000	0.000		0.000		0.109	Oct 2024	-		0.109	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		3.478		-		3.478	Continuing	Continuing	N/A

Remarks
Management and Services supports the acquisition documentation required of MTA Rapid Prototyping phase and transition into Rapid Fielding phase.

	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	0.000	0.000	0.000	57.318	-	57.318	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3751 / Vertical Takeoff and Landing Development

	CY	2023				2024				2025				2026				2027				2028				2029			
	FY	FY23				FY24				FY25				FY26				FY27				FY28				FY29			
	QTR	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Logistics Connector MTA Rapid Prototype		Mission Effectiveness Modeling / Analysis																											
						☆ ADM	Operational Demo								Mission System Integration														
							DT&E																						
		MOSA OTA Prototype Integration																											
Logistics Connector MTA Rapid Fielding																						☆ ADM							
																						Briefing	Contracting						
																										Rapid Fielding	Test / Demo	Production	
Attack / Strike CDTM						Weapons Integration Risk Reduction OTA																							
Assault Support CDTM		Additive Manufacturing Propulsion Risk Reduction																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3751 / Vertical Takeoff and Landing Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Vertical Take Off and Landing Development				
Logistics Connector MTA Rapid Prototype: Mission Effectiveness Modeling/Analysis: Mission Effectiveness Modeling/Analysis	3	2023	1	2025
Logistics Connector MTA Rapid Prototype: Operational Demo: Operational Demo	2	2024	2	2026
Logistics Connector MTA Rapid Prototype: Mission Systems Integration: Mission Systems Integration	3	2026	2	2028
Logistics Connector MTA Rapid Prototype: DT&E: DT&E	2	2024	2	2028
Logistics Connector MTA Rapid Prototype: MOSA OTA Prototype Integration: MOSA OTA Prototype Integration	1	2023	4	2025
Logistics Connector MTA Rapid Fielding: Briefing: Briefing	4	2027	2	2028
Logistics Connector MTA Rapid Fielding: Contracting: Contracting	3	2028	4	2028
Logistics Connector MTA Rapid Fielding: Rapid Fielding: Rapid Fielding	1	2029	4	2029
Logistics Connector MTA Rapid Fielding: Test/Demo: Test/Demo	1	2029	4	2029
Logistics Connector MTA Rapid Fielding: Production: Production	1	2029	4	2029
Attack/Strike CDTM: Weapons Integration Risk Reduction OTA: Weapons Integration Risk Reduction OTA	4	2023	4	2025
Assault Support CDTM: Additive Manufacturing Propulsion Risk Reduction: Additive Manufacturing Propulsion Risk Reduction	3	2023	3	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION				Project (Number/Name) 3752 / Future Capabilities Transition			
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
3752: Future Capabilities Transition	0.000	0.000	0.000	4.999	-	4.999	5.104	5.206	5.309	5.415	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Future Capability Transition (FCT) portfolio will implement a capabilities-based acquisition approach to enhance effectiveness in executing kill webs inclusive of the entire Marine Aviation portfolio. FCT accelerates the transition of science and technology (S&T) efforts into meaningful Warfighter capability, which includes OSD R&E Joint Capability Technology Demonstration (JCTD) projects such as Long Range Attack Missile (LRAM). OSD R&E Rapid Defense Experiment Reserve (RDER) projects such as Penetrating Affordable Autonomous Collaborative Killer Portfolio (PAACK-P) enables early technology maturation for the Marine Air-Ground Task Force Unmanned Aerial System Expeditionary (MUX) portfolio. FCT supports execution of Force Design 2030 by ensuring both legacy and future platforms are influencing S&T early enough to inform design decisions that will reduce life-cycle costs and expensive re-engineering. By looking across the Marine Aviation portfolio to assess how materiel solutions developing within S&T can eliminate Operational gaps, reductions in cost and redundancy are realized.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Future Capabilities Transition	0.000	0.000	4.999	0.000	4.999
Articles:	-	-	-	-	-
FY 2024 Plans: N/A					
FY 2025 Base Plans: Tasks to be performed include: Acquisition Program Management functions, Acquisition Documentation, Engineering modeling and analysis, Test and Evaluation, planning and development. Cross-service collaboration will continue via multiservice efforts enabling the Joint Capability Technology Demonstration (JCTD) Long Range Attack Missile (LRAM), supported by the Army and Strategic Capabilities Office (SCO). Prior fiscal year work will culminate in an FY 2025 capstone demonstration event and a Military Utility Assessment (MUA) where LRAM will be demonstrated in an operationally relevant scenario prior to transition to PoR. Efforts will include working with transition partners across the Services to ensure effective investment strategies resulting in capability delivered to the Warfighter. Risk reduction efforts associated with MUX portfolio will include prototyping of expeditionary air vehicle components and subsystems focused on launch and recovery, electronic warfare subsystems and payloads, open architecture applications, and demonstration of these prototyping activities.					
FY 2025 OCO Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3752 / Future Capabilities Transition

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
N/A					
<i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> Funds increase from FY 2024 to FY 2025 due to increased effort associated with JCTD LRAM reaching the milestone capstone demonstration event and the MUA event. This requires multiple air vehicle flights and live test events.					
Accomplishments/Planned Programs Subtotals	0.000	0.000	4.999	0.000	4.999

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

N/A

Remarks

D. Acquisition Strategy

To the maximum extent practical, existing contract vehicles will be used to execute continuing efforts associated with RDER PAACK-P, JCTD LRAM, WIRR, and other related Marine Aviation technology transition efforts. JCTD LRAM began design work in FY 2023 to inform air vehicle design and integration decisions for future PoR. Captive Carry qualification testing and live fire testing occurred in FY 2024. Technical and operational demonstrations are planned to occur in FY 2025 prior to PoR transition. FY 2025 demonstrations include a capstone demonstration event and Military Utility Assessment (MUA) by OSD.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604295M / (U)MARINE AVIATION D EMONSTRATION/VALIDATION	Project (Number/Name) 3752 / Future Capabilities Transition
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Long Range Attack Missile	C/CPFF	Various : Various	0.000	0.000		0.000		2.035	Dec 2024	-		2.035	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		2.035		-		2.035	Continuing	Continuing	N/A

Remarks
Increase due to FY 2025 demonstration events include a capstone demonstration event and Military Utility Assessment (MUA) by OSD.

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		0.431	Nov 2024	-		0.431	Continuing	Continuing	Continuing
Development Support	WR	Various : Various	0.000	0.000		0.000		0.119	Mar 2025	-		0.119	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		0.550		-		0.550	Continuing	Continuing	N/A

Remarks
Increase due to required support for JCTD LRAM closeout and transition into PoR.

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	Various : Various	0.000	0.000		0.000		0.094	Nov 2024	-		0.094	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	Various : Various	0.000	0.000		0.000		2.000	Jun 2025	-		2.000	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		2.094		-		2.094	Continuing	Continuing	N/A

Remarks
Increase due to FY 2025 demonstration events include a capstone demonstration event and Military Utility Assessment (MUA) by OSD.

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Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Contractor Engineering Support	C/CPFF	Various : Various	0.000	0.000		0.000		0.094	Feb 2025	-		0.094	Continuing	Continuing	Continuing
Program Management Support	WR	Various : Various	0.000	0.000		0.000		0.222	Nov 2024	-		0.222	Continuing	Continuing	Continuing
Travel	C/BA	NAVAIR : Patuxent River, MD	0.000	0.000		0.000		0.004	Oct 2024	-		0.004	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		0.320		-		0.320	Continuing	Continuing	N/A

Remarks
Increase due to PoR acquisition documentation.

	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	0.000	0.000	0.000	4.999	-	4.999	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy **Date:** March 2024

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Future Capabilities Transition	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
JCTD LRAM	JCTD LRAM																											
RDER PAACK-P 1.0	RDER PAACK-P 1.0																											
RDER PAACK-P 2.0	RDER PAACK-P 2.0																											
Future Capability Assesment	Future Capability Assesment																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Future Capabilities Transition</i>				
JCTD LRAM: JCTD LRAM	1	2023	4	2025
RDER PAACK-P 1.0: RDER PAACK-P 1.0	1	2023	4	2025
RDER PAACK-P 2.0: RDER PAACK-P 2.0	1	2024	4	2026
Future Capability Assesment: Future Capability Assesment	1	2026	4	2029