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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 / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASL0)</i>
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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	109.087	3.761	2.999	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	115.847
3192: <i>RQ-21 BLACKJACK</i>	109.087	3.761	2.999	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	115.847

A. Mission Description and Budget Item Justification

The RQ-21A BLACKJACK (formerly known as The Small Tactical Unmanned Aircraft System (STUAS)) is a United States Navy (USN) program that provides persistent maritime and land-based tactical Intelligence, Surveillance, and Reconnaissance/Target Acquisition support for tactical level maneuver decisions and unit level force defense/force protection for Naval amphibious assault ships (multi-ship classes) and Navy forces. This system will support Naval Missions such as building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and provide support for Naval Units operating from sea/shore in Overseas Contingency Operations. The RQ-21A BLACKJACK United States Marine Corps program (PE 0305239M) began divesting in FY21 in support of Marine Corps Force Design 2030. Per Deputy Commandant, Combat, Development and Integration (CD&I) directed divestment of RQ-21A via letter dated February 22, 2021 and will complete divestiture in FY23. Office of the Chief of Naval Operations (OPNAV), Naval Special Warfare Branch (N951), directed the United States Navy (USN) divestment of RQ-21A via letter dated 23 January 2023. USN divestment will complete at the conclusion of FY25.

The RQ-21A BLACKJACK will continue to correct safety related deficiencies to maintain current operations without loss of capability. Corrections of deficiencies may include Command and Control, Frequency Agile Communications Relay, Airborne Precision Engagement and Targeting, Digital Common Data Link, Launch and Recovery, and periodic refresh of the Electro-Optical/Infrared camera.

This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it includes development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	3.761	2.999	0.000	-	0.000
Current President's Budget	3.761	2.999	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Change Summary Explanation There is no funding request in FY 2025 in support of directed divestment. Funding: N/A Cost: N/A Technical: N/A Schedule: N/A		

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASLO)</i>	Project (Number/Name) 3192 / RQ-21 BLACKJACK
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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
3192: RQ-21 BLACKJACK	109.087	3.761	2.999	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	115.847
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The RQ-21A BLACKJACK (formerly known as The Small Tactical Unmanned Aircraft System (STUAS)) is a United States Navy (USN) program that provides persistent maritime and land-based tactical Intelligence, Surveillance, and Reconnaissance/Target Acquisition support for tactical level maneuver decisions and unit level force defense/force protection for Naval amphibious assault ships (multi-ship classes) and Navy. This system will support Naval Missions such as building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and provide support for Naval Units operating from sea/shore in Overseas Contingency Operations. The RQ-21A BLACKJACK United States Marine Corps program (PE 0305239M) began divesting in FY21 in support of Marine Corps Force Design 2030. Per Deputy Commandant, Combat, Development and Integration (CD&I) directed divestment of RQ-21A via letter dated February 22, 2021. Office of the Chief of Naval Operations (OPNAV), Naval Special Warfare Branch (N951), directed the United States Navy (USN) divestment of RQ-21A via letter dated 23 January 2023. USN divestment will complete at the conclusion of FY25.

The RQ-21A BLACKJACK will continue to correct safety related deficiencies to maintain current operations without loss of capability. Corrections of deficiencies may include Command and Control, Frequency Agile Communications Relay, Airborne Precision Engagement and Targeting, Digital Common Data Link, Launch and Recovery, and periodic refresh of the Electro-Optical/Infrared camera.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Product Development/Upgrade Efforts	2.766	2.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: The program will perform software development and trade studies to correct safety deficiencies identified from tests.					
FY 2025 Base Plans: N/A					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 funding decrease due to directed divestment.					
Title: Engineering Support	0.995	0.999	0.000	0.000	0.000

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Articles:	-	-	-	-	-
FY 2024 Plans: The program will perform software development and trade studies to correct deficiencies from tests.					
FY 2025 Base Plans: N/A					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 funding decrease due to directed divestment.					
Accomplishments/Planned Programs Subtotals	3.761	2.999	0.000	0.000	0.000

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

Line Item	FY 2023	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Cost To		
			Base	OCO	Total					Complete	Total Cost	
• APN/0444: STUASLO	2.703	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	342.280
• APN/0598: RQ-21 Series	6.528	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	106.116

Remarks

D. Acquisition Strategy

The program office has utilized a competitive acquisition approach for award of the Engineering and Manufacturing Development effort to field a capability that meets threshold requirements. Low Rate Initial Production (LRIP) test article was utilized to successfully complete Initial Operational Test and Evaluation (IOT&E). The program is in operations and sustainment.

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASLO)</i>	Project (Number/Name) 3192 / RQ-21 BLACKJACK
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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			
Upgrade Efforts/Correction of Deficiencies	C/BOA	Insitu, Inc : Bingen, WA	22.517	2.766	Mar 2023	2.000	Mar 2024	0.000		-		0.000	0.000	27.283	27.283
Prior year Prod Devt no longer funded in the FYDP	Various	Various : Various	29.125	0.000		0.000		0.000		-		0.000	0.000	29.125	-
Subtotal			51.642	2.766		2.000		0.000		-		0.000	0.000	56.408	N/A

Remarks
Product development corresponds to R-2A Upgrade Efforts.

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			
Software Engineering Support	WR	NAWC-WD : China Lake, CA	17.623	0.330	Dec 2022	0.336	Dec 2023	0.000		-		0.000	0.000	18.289	-
Government Engineering Support	WR	Various : Various	16.109	0.086	Dec 2022	0.087	Dec 2023	0.000		-		0.000	0.000	16.282	-
Prior year Support no longer funded in the FYDP	Various	Various : Various	8.482	0.000		0.000		0.000		-		0.000	0.000	8.482	-
Subtotal			42.214	0.416		0.423		0.000		-		0.000	0.000	43.053	N/A

Remarks
Support is included within R-2A Engineering Support.

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	4.655	0.155	Jul 2023	0.154	Jul 2024	0.000		-		0.000	0.000	4.964	-
Operational Test & Evaluation (OT&E)	WR	Various : Various	0.456	0.039	Dec 2022	0.037	Dec 2023	0.000		-		0.000	0.000	0.532	-

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASLO)</i>	Project (Number/Name) 3192 / RQ-21 BLACKJACK
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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			
Subtotal			5.111	0.194		0.191		0.000		-		0.000	0.000	5.496	N/A

Remarks
Test and Evaluation is included within R-2A Engineering Support.

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	MIPR	Various : Various	3.947	0.180	Mar 2023	0.183	Mar 2024	0.000		-		0.000	0.000	4.310	4.310
Program Management Support	C/CPFF	Bowhead : Patuxent River, MD	3.182	0.152	Jan 2023	0.151	Jan 2024	0.000		-		0.000	0.000	3.485	3.485
Travel	WR	Various : Various	0.642	0.053	Oct 2022	0.051	Oct 2023	0.000		-		0.000	0.000	0.746	-
Prior Year Mgmt Svcs no longer funded in the FYDP	Various	Various : Various	2.349	0.000		0.000		0.000		-		0.000	0.000	2.349	-
Subtotal			10.120	0.385		0.385		0.000		-		0.000	0.000	10.890	N/A

Remarks
Management Services is included within R-2A Engineering Support.

	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	109.087	3.761	2.999	0.000	-	0.000	0.000	115.847	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASLO)</i>	Project (Number/Name) 3192 / <i>RQ-21 BLACKJACK</i>

Fiscal Year		FY23				FY24				FY25				FY26				FY27				FY28				FY29			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones		★ Marine Corps RQ-21A Divestment NSW RQ-21A Divestment ★																											
Contracts	IDIQ (0033)																												
	Follow on IDIQ																												
Integrated and Operational Test		Correction of Deficiencies / Safety/ Cyber																											
Capability & Sustainment	IFF Transponder w/mode 5 AIMS Cert.																												
	EO/IR w/LD (AC14) Integration																												
	Extended Rails																												
System Deliveries	Windows 10 OS																												
	EO/IR EOL SW																												
	Transport Cases (PHS&T)																												
	Split Aces SW																												
	AIS																												
	C2 Extended Range (SOREL)																												
	LD Turret (AC14)																												
	EO950 Turret																												
DoN 22	USN (25)																												
Procure System Qty USN		0				0				0				0				0				0							
DoN 22	USMC (32)																												
Procure System Qty USMC		0				0				0				0				0				0							
		Naval Special Warfare																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305234N / <i>Small (Level 0) Tactical UAS (STUASLO)</i>	Project (Number/Name) 3192 / RQ-21 BLACKJACK

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
RQ-21A				
Integrated and Operational Test: Integrated and Operational Test - Payloads (Correction of Deficiencies, Safety, Cybersecurity)	1	2023	4	2024
Capability Development & Sustainment: IFF Transponder w/mode 5 AIMS Cert	1	2023	4	2023
Capability Development & Sustainment: EO/IR w/LD (AC14) Intergration	1	2023	2	2023
Capability Development & Sustainment: Extended Rails	1	2023	2	2023
Systems Deliveries: Windows 10 OS	2	2023	4	2023
Systems Deliveries: EO/IR EOL SW	2	2023	4	2023
Systems Deliveries: PHS&T (Transport Cases)	1	2023	1	2024
Systems Deliveries: Split Aces SW	2	2023	2	2023
Systems Deliveries: AIS	2	2023	2	2023
Systems Deliveries: C2 Extended Range (SOREL)	2	2023	2	2023
Systems Deliveries: LD Turrett (AC14)	3	2023	3	2023
Systems Deliveries: Extended Rails	3	2023	3	2023
Systems Deliveries: EO950 Turret	2	2023	3	2023