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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Navy **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603251N / <i>Aircraft Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	23.457	0.481	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	23.938
3331: <i>C-2 System Development</i>	23.457	0.481	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	23.938

**A. Mission Description and Budget Item Justification**

This program element supports the study, evaluation, optimization and enhancements of fielded aircraft systems not supported by a system specific Research, Development, Test and Evaluation, Navy program element. The supported efforts will provide a basis to recommend options for improved efficiency, minimization of life cycle cost, and other affordable options. As naval aircraft systems age, and analysis of the programmatic and /or reliability enhancements options allows the Department of the Navy to more effectively understand and manage system lifecycle costs and implications in future airborne platforms.

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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	0.418	0.000	0.000	-	0.000
Current President's Budget	0.481	0.000	0.000	-	0.000
Total Adjustments	0.063	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.065	0.000			
• SBIR/STTR Transfer	-0.002	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

**Change Summary Explanation**

Funding: N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2023 Navy **Date:** April 2022

Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603251N / Aircraft Systems				Project (Number/Name) 3331 / C-2 System Development			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
3331: C-2 System Development	23.457	0.481	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	23.938
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The C-2A Greyhound is a high wing monoplane, twin engine turbo-prop aircraft capable of operating from both a shore base and all operational United States Navy aircraft carrier classes. The mission of the C-2A is to provide rapid response Carrier Onboard Delivery of fleet essential supplies, repair parts, and personnel to sustain at sea operations of deployed battle groups. In addition, the C-2A provides airdrop delivery and mobilization support for special operations forces from land bases and carriers, Search and Rescue, and Humanitarian Relief.

This project will fund required development and obsolescence analysis of other subsystems required to operate the C-2A to the end of its service life.

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

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<b>Title:</b> Combat Readiness	0.481	0.000	0.000	0.000	0.000
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> C-2 Combat Readiness establishes an enduring capacity to address obsolescence, safety, and readiness degrader issues for the C-2A(R) aircraft until the end of its service life.					
<b>FY 2022 Plans:</b> N/A					
<b>FY 2023 Base Plans:</b> N/A					
<b>FY 2023 OCO Plans:</b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	0.481	0.000	0.000	0.000	0.000

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

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• APN/0556: C-2A Series	5.295	2.843	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	531.416

**Remarks**

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**Exhibit R-2A, RDT&E Project Justification:** PB 2023 Navy **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603251N / <i>Aircraft Systems</i>	<b>Project (Number/Name)</b> 3331 / <i>C-2 System Development</i>
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**D. Acquisition Strategy**

The C-2A Operational Ground Controllability strategy will be exercised under an Engineering Change Proposal.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy												Date: April 2022			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 4				PE 0603251N / Aircraft Systems				3331 / C-2 System Development							
Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior year Prod Dev no longer funded in the FYDP	Various	Various : Various	11.151	0.000		0.000		0.000		-		0.000	0.000	11.151	11.151
<b>Subtotal</b>			11.151	0.000		0.000		0.000		-		0.000	0.000	11.151	N/A
Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	North Island : North Island, CA	1.553	0.000	Nov 2020	0.000		0.000		-		0.000	0.000	1.553	1.553
Development Support	WR	Department of Energy : Kansas City, MO	0.779	0.364	Nov 2021	0.000		0.000		-		0.000	0.000	1.143	1.078
Development Support	C/CPFF	ManTech : Patuxent River, MD	0.567	0.063	Aug 2021	0.000		0.000		-		0.000	0.000	0.630	0.629
Development Support	WR	NAWCAD : Lakehurst, NJ	0.000	0.040	Jun 2021	0.000		0.000		-		0.000	0.000	0.040	-
Prior year Support no longer funded in the FYDP	Various	Various : Various	5.573	0.000		0.000		0.000		-		0.000	0.000	5.573	-
<b>Subtotal</b>			8.472	0.467		0.000		0.000		-		0.000	0.000	8.939	N/A
Test and Evaluation (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NAWCAD : Pax River, MD	3.808	0.014	Oct 2021	0.000		0.000		-		0.000	0.000	3.822	-
<b>Subtotal</b>			3.808	0.014		0.000		0.000		-		0.000	0.000	3.822	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy** **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603251N / <i>Aircraft Systems</i>	<b>Project (Number/Name)</b> 3331 / <i>C-2 System Development</i>
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<b>Management Services (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
Travel	Various	Various : Various	0.026	0.000		0.000		0.000		-		0.000	0.000	0.026	0.026
<b>Subtotal</b>			0.026	0.000		0.000		0.000		-		0.000	0.000	0.026	N/A
<b>Project Cost Totals</b>			23.457	0.481		0.000		0.000		-		0.000	0.000	23.938	N/A

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy

Date: April 2022

Appropriation/Budget Activity  
1319 / 4





R-1 Program Element (Number/Name)  
PE 0603251N / Aircraft Systems

Project (Number/Name)  
3331 / C-2 System Development



**PB23  
C-2 System Development**



	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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
<b>Systems Development</b>	 <b>Development Support Studies</b>																											
<b>ABS Retrofits</b>	 <b>ABS Retrofits</b>																											
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p><b>Development</b> </p> <p><b>Fleet Retrofits</b> </p> </div>																											

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2023 Navy **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603251N / <i>Aircraft Systems</i>	<b>Project (Number/Name)</b> 3331 / <i>C-2 System Development</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Combat Readiness</b>				
Systems Development: Development Support: Studies	1	2021	4	2021
Test & Evaluation: Technical Evaluation: Developmental Test - Secure Voice & Data Communication	3	2021	4	2021