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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603251N / <i>Aircraft Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	21.990	1.467	0.418	0.000	-	0.000	-	-	-	-	-	-
3331: <i>C-2 System Development</i>	21.990	1.467	0.418	0.000	-	0.000	-	-	-	-	-	-

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. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	1.473	0.418	0.423	-	0.423
Current President's Budget	1.467	0.418	0.000	-	0.000
Total Adjustments	-0.006	0.000	-0.423	-	-0.423
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.006	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.423	-	-0.423

Change Summary Explanation

Funding: FY 2022-2023 funding decreases due to the completion of C-2 developmental and readiness efforts.

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy										Date: May 2021		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603251N / <i>Aircraft Systems</i>				Project (Number/Name) 3331 / <i>C-2 System Development</i>			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
3331: <i>C-2 System Development</i>	21.990	1.467	0.418	0.000	-	0.000	-	-	-	-	-	-
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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: Combat Readiness	1.467	0.418	0.000	0.000	0.000
Articles:	-	-	-	-	-
Description: 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.					
FY 2021 Plans: Provide C-2A studies and analysis for Secure Voice and Data Over the Horizon communication. Begin prototype for the Secure Voice and Data communication.					
FY 2022 Base Plans: N/A					
FY 2022 OCO Plans: N/A					
FY 2021 to FY 2022 Increase/Decrease Statement: Funding reduction from FY2021 to FY2022 due to the completion of C-2 developmental and readiness efforts.					
Accomplishments/Planned Programs Subtotals	1.467	0.418	0.000	0.000	0.000

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

<u>Line Item</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u> <u>Base</u>	<u>FY 2022</u> <u>OCO</u>	<u>FY 2022</u> <u>Total</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/0556: C-2A Series	13.689	5.295	2.843	-	2.843	-	-	-	-	-	-

Remarks

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 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603251N / Aircraft Systems	Project (Number/Name) 3331 / C-2 System Development
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Product Development (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
Prior year Prod Dev no longer funded in the FYDP	Various	Various : Various	11.151	0.000		0.000		0.000		-		0.000	-	-	-
Subtotal			11.151	0.000		0.000		0.000		-		0.000	-	-	N/A

Support (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	North Island : North Island, CA	1.553	0.000		0.000	Nov 2020	0.000		-		0.000	-	-	-
Development Support	WR	Department of Energy : Kansas City, MO	0.779	0.000	Jan 2020	0.289	Jan 2021	0.000		-		0.000	-	-	-
Development Support	C/CPFF	ManTech : Patuxent River, MD	0.000	0.567	Aug 2020	0.129	Jul 2021	0.000		-		0.000	-	-	-
Prior year Support no longer funded in the FYDP	Various	Various : Various	5.573	0.000		0.000		0.000		-		0.000	-	-	-
Subtotal			7.905	0.567		0.418		0.000		-		0.000	-	-	N/A

Remarks
Funding reduction from FY2021 to FY2022 due to the completion of C-2 developmental and readiness efforts.

Test and Evaluation (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	WR	NAWCAD : Pax River, MD	2.908	0.900	Nov 2019	0.000		0.000		-		0.000	-	-	-
Subtotal			2.908	0.900		0.000		0.000		-		0.000	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603251N / <i>Aircraft Systems</i>	Project (Number/Name) 3331 / <i>C-2 System Development</i>
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Management Services (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	-	-	-
Subtotal			0.026	0.000		0.000		0.000		-		0.000	-	-	N/A
Project Cost Totals			21.990	1.467		0.418		0.000		-		0.000	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy Date: May 2021

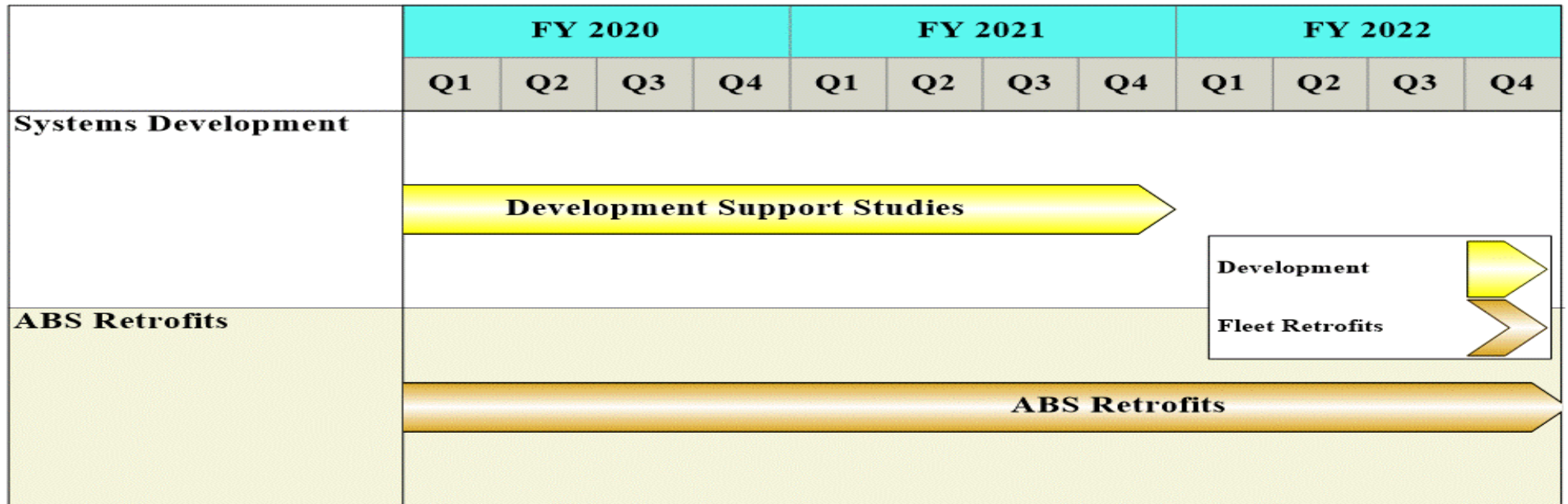
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603251N / Aircraft Systems	Project (Number/Name) 3331 / C-2 System Development
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PB22



C-2 System Development



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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy **Date:** May 2021

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Combat Readiness				
Systems Development: Development Support: Studies	1	2020	4	2021
Test & Evaluation: Technical Evaluation: Developmental Test - AAG & Braking System	3	2020	4	2020
Test & Evaluation: Technical Evaluation: Developmental Test - Secure Voice & Data Communication	3	2021	4	2021