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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0603251N: <i>Aircraft Systems</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	-	-	10.497	-	10.497	4.648	2.951	-	-	0.000	18.096
3331: <i>C-2 System Development</i>	-	-	10.497	-	10.497	4.648	2.951	-	-	0.000	18.096

Note

This program element is a new start in FY 2012.

A. Mission Description and Budget Item Justification

This program element supports the study, evaluation, and optimization of fielded aircraft systems not supported by a system specific RD TEN program element. As naval aircraft systems age, an analysis of programmatic and/or reliability enhancement options allows the Department of the Navy to more effectively understand and manage system lifecycle costs and implications. The studies funded will provide a basis upon to recommend options for improved efficiency, minimization of life cycle cost, or other programmatic options.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	10.497	-	10.497
Total Adjustments	-	-	10.497	-	10.497
• Congressional General Reductions					
• Congressional Directed Reductions					
• Congressional Rescissions	-	-			
• Congressional Adds					
• Congressional Directed Transfers					
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	10.584	-	10.584
• Rate/Misc Adjustments	-	-	-0.087	-	-0.087

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603251N: <i>Aircraft Systems</i>	PROJECT 3331: <i>C-2 System Development</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3331: <i>C-2 System Development</i>	-	-	10.497	-	10.497	4.648	2.951	-	-	0.000	18.096
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

This project is a new start in FY 2012.

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, analysis, and testing of a Critical Brake Upgrade to correct a deficiency related to the operational ground controllability of the C-2A.

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

	FY 2010	FY 2011	FY 2012
Title: Critical Brake Upgrade	-	-	10.497
Articles:			0
Description: Provides funding for development, design, integration and test of an anti-skid brake system for the C-2A aircraft. This will correct a deficiency related to the operational ground controllability of the C-2A.			
FY 2012 Plans: Provides funding for development, design, integration and test of an anti-skid brake system for the C-2A aircraft.			
Accomplishments/Planned Programs Subtotals	-	-	10.497

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603251N: <i>Aircraft Systems</i>	PROJECT 3331: <i>C-2 System Development</i>
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/0556: <i>C-2A(R) Series Modification (Includes OSIP 007-14 Critical Brake Upgrade)</i>	0.000	0.000	0.000	0.000	0.000	0.000	3.600	3.500	3.320	7.990	18.410

D. Acquisition Strategy

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

E. Performance Metrics

Validation is planned for second quarter FY13. Verification is planned for first quarter FY14. Final TD is planned for first quarter FY15.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603251N: <i>Aircraft Systems</i>	PROJECT 3331: <i>C-2 System Development</i>
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	TBD	TBD:TBD	-	-		3.816	May 2012	-		3.816	2.656	6.472	6.472
Systems Engineering	Various	Various:Various	-	-		0.375	Nov 2011	-		0.375	0.000	0.375	
Subtotal			-	-		4.191		-		4.191	2.656	6.847	

Remarks

Totals may not add due to rounding.

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	TBD	TBD:TBD	-	-		2.232	Nov 2011	-		2.232	0.558	2.790	2.790
Integrated Logistics Support	WR	North Island:North Island, CA	-	-		0.247	Nov 2011	-		0.247	0.507	0.754	
Configuration Management	WR	North Island:North Island, CA	-	-		0.025	Nov 2011	-		0.025	0.051	0.076	
Technical Data	WR	North Island:North Island, CA	-	-		0.484	Nov 2011	-		0.484	0.600	1.084	
Maintenance Planning	WR	North Island:North Island, CA	-	-		0.280	Nov 2011	-		0.280	0.280	0.560	
Government Engineering Support	WR	NAWCAD:Pax River, MD	-	-		1.258	Nov 2011	-		1.258	0.293	1.551	
Government Engineering Support	WR	North Island:North Island, CA	-	-		0.950	Nov 2011	-		0.950	0.328	1.278	
ETS - Contractor Engineering Support	C/CPFF	Various:Various	-	-		0.450	Dec 2011	-		0.450	0.000	0.450	0.450
Subtotal			-	-		5.926		-		5.926	2.617	8.543	

Remarks

Totals may not add due to rounding.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603251N: <i>Aircraft Systems</i>	PROJECT 3331: <i>C-2 System Development</i>
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Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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	-	-		-		-		-	0.578	0.578	
Operational Test & Evaluation	WR	NAWCAD:Pax River, MD	-	-		-		-		-	0.770	0.770	
Test Assets	WR	NAWCAD:Pax River, MD	-	-		-		-		-	0.400	0.400	
Subtotal			-	-		-		-		-	1.748	1.748	

Remarks
Totals may not add due to rounding.

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Support - MSS	C/CPFF	Various:Various	-	-		0.125	Dec 2011	-		0.125	0.188	0.313	0.313
Government Engineering Support	WR	NAWCAD:Pax River, MD	-	-		0.061	Nov 2011	-		0.061	0.117	0.178	
Government Engineering Support	WR	North Island:North Island, CA	-	-		0.019	Nov 2011	-		0.019	0.021	0.040	
Program Management Support	WR	NAWCAD:Pax River, MD	-	-		0.097	Nov 2011	-		0.097	0.166	0.263	
Program Management Support	WR	North Island:North Island, CA	-	-		0.028	Nov 2011	-		0.028	0.034	0.062	
Travel	Various	Various:Various	-	-		0.050	Oct 2011	-		0.050	0.050	0.100	
Subtotal			-	-		0.380		-		0.380	0.576	0.956	

Remarks
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	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	10.497	-	10.497	7.597	18.094	

Remarks
Totals may not add due to rounding.

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 4: *Advanced Component Development & Prototypes (ACD&P)*

R-1 ITEM NOMENCLATURE

PE 0603251N: *Aircraft Systems*

PROJECT

3331: *C-2 System Development*

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603251N: <i>Aircraft Systems</i>	PROJECT 3331: <i>C-2 System Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-2 System Development				
Systems Development: Hardware Development: Engineering & Manufacturing Development	2	2012	2	2014
Systems Development: Hardware Development: Validation	2	2013	2	2013
Systems Development: Hardware Development: Verification Install	1	2014	1	2014
Systems Development: Hardware Development: Drawings/Technical Data Development	4	2012	4	2014
Systems Development: Hardware Development: Maintenance Planning	4	2013	4	2014
Systems Development: Hardware Development: Technical Manual Development	2	2014	4	2014
Systems Development: Reviews: Preliminary Design Review/System Functional Review	1	2013	1	2013
Systems Development: Reviews: Critical Design Review	4	2013	4	2013
Systems Development: Reviews: Funtional Readiness Review/Test Readiness Review	2	2014	2	2014
Systems Development: Reviews: Technical Directive	1	2015	1	2015
Test & Evaluation: Technical Evaluation: Developmental Planning & Test	4	2013	1	2015
Deliveries: Production Deliveries - APN (6 Kits)	2	2014	2	2014
Deliveries: Production Deliveries FY15 - APN (8 Kits)	2	2015	2	2015
Deliveries: Production Deliveries FY16 - APN (8 Kits)	2	2016	2	2016