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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305237N: <i>Medium Range Maritime UAS</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	15.000	-	-	-	-	-	-	-	0.000	15.000
2770: <i>Medium-Range Maritime Unmanned Aerial System</i>	-	15.000	-	-	-	-	-	-	-	0.000	15.000

A. Mission Description and Budget Item Justification

Note: FY11 efforts are budgeted under PE 0305204N, Project Unit 2501 (10.001M).

Medium-Range Maritime Unmanned Aerial System (MRMUAS) Unmanned Aerial Vehicle is a Joint Military Intelligence Program.

The MRMUAS commenced under PE 0305204N. PE 0305237N was established to fund the Technology Development and Engineering and Manufacturing Development phases of the MRMUAS program. The MRMUAS goal was to provide persistent, sea-based, airborne, real-time and near-real-time Intelligence, Surveillance, and Reconnaissance data to Navy and Special Operations Forces.

The Navy and Army are cooperating in the Analysis of Alternatives and requirements development.

During the FY13 budget process, fiscal constraints forced Navy to terminate the MRMUAS program and zeroize the funding in FY13 and beyond. Navy terminated MRMUAS to focus on CONOPS development and drafting a Capability Development Document that will support the Navy's Next Generation of Seabased Vertical Take Off and Landing Unmanned Aerial Systems, and to develop technologies that can be used to improve existing Navy sea-based unmanned systems such as the Vertical Take-off and Landing Tactical Unmanned Air Vehicle and Cargo Unmanned Aerial Systems.

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B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	15.000	160.900	-	160.900
Current President's Budget	-	15.000	-	-	-
Total Adjustments	-	-	-160.900	-	-160.900
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-161.167	-	-161.167
• Rate/Misc Adjustments	-	-	0.267	-	0.267

Change Summary Explanation

Technical: Not applicable.

Schedule:

- Removed FY13, FY14 and FY15 Gate and Milestone Reviews.
- Removed System Engineering Development Prototype Phase and Reviews.
- Removed Test and Evaluation Development Test and Reviews.
- Adjusted Analysis of Alternatives from 2Q FY12 to 3Q FY12

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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2770: <i>Medium-Range Maritime Unmanned Aerial System</i>	-	15.000	-	-	-	-	-	-	-	0.000	15.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Note: FY11 efforts are budgeted under PE 0305204N, Project Unit 2501 (10.001M).

A. Mission Description and Budget Item Justification

Medium-Range Maritime Unmanned Aerial System (MRMUAS) Unmanned Aerial Vehicle is a Joint Military Intelligence Program.

The MRMUAS commenced under PE 0305204N. PE 0305237N was established to fund the Technology Development and Engineering and Manufacturing Development phases of the MRMUAS program. The MRMUAS goal was to provide persistent, sea-based, airborne, real-time and near-real-time Intelligence, Surveillance, and Reconnaissance data to Navy and Special Operations Forces.

The Navy and Army are cooperating in the Analysis of Alternatives and requirements development.

During the FY13 budget process, fiscal constraints forced Navy to terminate the MRMUAS program and zeroize the funding in FY13 and beyond. Navy terminated MRMUAS to focus on CONOPS development and drafting a Capability Development Document (CDD) that will support the Navy's Next Generation of Seabased Vertical Take Off and Landing Unmanned Aerial Systems, and to develop technologies that can be used to improve existing Navy sea-based unmanned systems such as the Vertical Take-off and Landing Tactical Unmanned Air Vehicle and Cargo Unmanned Aerial Systems.

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

	FY 2011	FY 2012	FY 2013
Title: Product Development	-	9.320	-
Articles:		0	
FY 2012 Plans: Complete MRMUAS Analysis of Alternatives (AoA) and brief results. Complete drafting/updating of MRMUAS Concept of Operations. Coordinate with AoA and Trade Studies to incorporate latest concepts. Complete execution of up to five (5) studies and analysis contracts in support of MRMUAS concept refinement. Data received from these contracts will be used to support AoA analyses and drafting of initial Key Performance Parameters/Key System Attributes for the MRMUAS CDD.			
Title: Management Services	-	5.680	-
Articles:		0	
FY 2012 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Complete engineering management, program technical management, and management support for the MRMUAS system. Continue preparation of Milestone A activities to include completion of draft Capability Development Document (CDD) to support next generation Navy Vertical Take Off and Landing (VTOL) Unmanned Aerial Systems (UAS). Complete program office personnel travel and contract support services.			
Accomplishments/Planned Programs Subtotals	-	15.000	-

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

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• RDTEN, 0305204N: <i>MEMUAS</i>	9.868	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.868

D. Acquisition Strategy
Initiated industry trade studies and Analysis of Alternatives (AOA) under FY11 Medium Endurance Marine Unmanned Aerial System funding. Conduct full and open competition for up to five (5) Trade Studies and analysis contracts with potential Medium-Range Maritime Unmanned Aerial System vendors. Navy will use the AoA, Concept of Operations (CONOPS), and draft CDD to develop a Next Generation Seabased VTOL UAS Acquisition Strategy.

E. Performance Metrics
Successful completion of AoA. Successful completion of Trade Studies. Successful development of draft CONOPS and draft CDD.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy **DATE:** February 2012

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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Analysis of Alternatives Support	SS/FFP	Systems Planning and Analysis:Alexandria, VA	-	1.110	Mar 2012	-		-		-	0.000	1.110	1.110
Analysis of Alternatives	WR	NAWCAD:Patuxent River, MD	-	1.330	Jan 2012	-		-		-	0.000	1.330	
CONOPS Development	TBD	TBD:TBD	-	0.440	Mar 2012	-		-		-	0.000	0.440	
Study Contracts (Up to 5)	TBD	TBD:TBD	-	6.440	May 2012	-		-		-	0.000	6.440	6.440
Subtotal			-	9.320		-		-		-	0.000	9.320	

Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Government Engineering Support	WR	NAWCAD:Patuxent River, MD	-	3.880	Jan 2012	-		-		-	0.000	3.880	
Program Management Support	Various	Various:Various	-	1.570	Jan 2012	-		-		-	0.000	1.570	
Travel	WR	NAVAIR:Patuxent River, MD	-	0.230	Jan 2012	-		-		-	0.000	0.230	
Subtotal			-	5.680		-		-		-	0.000	5.680	

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		-	15.000	-	-	-	15.000	

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
MRMUAS				
Acquisition Milestones: Milestones: Gate 1	2	2011	2	2011
Acquisition Milestones: Milestones: Material Development Decision	3	2011	3	2011
Acquisition Milestones: Milestones: Gate 2	3	2012	3	2012
System Engineering Development: Analysis of Alternatives: Analysis of Alternatives	3	2011	3	2012
System Engineering Development: Design Studies: Design Studies	3	2011	4	2012