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

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</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
Total Program Element	-	-	121.150	-	121.150	362.374	814.979	759.737	462.861	Continuing	Continuing
3278: <i>UCLASS Development</i>	-	-	121.150	-	121.150	362.374	814.979	759.737	462.861	Continuing	Continuing

**Note**

FY12 represents a new start budget submission of PE 0604404N.

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

The Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) program will address capability gaps identified in 2009 in the Navy's Power Projection from the Sea (PPfS) beyond 2024 Capability Based Assessment (CBA), which highlighted a lack of persistent, carrier-based Intelligence, Surveillance, and Reconnaissance (ISR) and Strike assets. The program's draft Initial Capability Document (ICD) identified 2018 for delivery of the UCLASS initial capability.

The UCLASS objective is to enhance carrier versatility through integration of unmanned air vehicles into Carrier Air Wing (CVW) by 2018. The UCLASS System will enable a single carrier to conduct 24/7 operations (ISR, Targeting, limited Strike, and Bomb Damage Assessment) and precision strike. UCLASS operations are envisioned to include carrier launch, mission operations, and carrier recoveries within the Carrier Controlled Airspace (CCA); land-based launch, mission operations, and recovery outside the CCA; and potential air vehicle control within the carrier's Area of Responsibility (AOR) by other CVW assets.

The UCLASS System combines capabilities provided by a carrier-suitable, semi-autonomous, unmanned Air Segment, a Control System & Connectivity (CS&C) Segment, a Government-led Carrier Vessel Nuclear (CVN) Segment, along with other Navy systems (either existing within the current infrastructure or under development) to fill the gaps identified within the PPfS CBA. Interfaces and upgrades with existing ship and land-based command and control systems, including ISR Tasking, Processing, Exploitation, and Dissemination (TPED) systems, will be implemented as necessary.

The scope of the program includes, but is not limited to, system-level requirements identification, allocation of requirements to segments and components, design, development, integration, fabrication, test, training, and support to provide the UCLASS capabilities. The UCLASS system will deliver the necessary air vehicles, mission systems, shipboard and land-based launch and recovery control systems, associated support systems, interfaces, and upgrades to other Navy systems (as required) to meet these capabilities.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2012 Navy	<b>DATE:</b> February 2011
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2010</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012 Base</u></b>	<b><u>FY 2012 OCO</u></b>	<b><u>FY 2012 Total</u></b>
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	121.150	-	121.150
Total Adjustments	-	-	121.150	-	121.150
• Congressional General Reductions					
• Congressional Directed Reductions					
• Congressional Rescissions	-	-			
• Congressional Adds					
• Congressional Directed Transfers					
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	121.311	-	121.311
• Rate/Misc Adjustments	-	-	-0.161	-	-0.161

**Change Summary Explanation**

Schedule: Not applicable.  
 Technical: Not applicable.

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

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>	<b>PROJECT</b> 3278: <i>UCLASS 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
3278: <i>UCLASS Development</i>	-	-	121.150	-	121.150	362.374	814.979	759.737	462.861	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**Note**

FY12 represents a new start budget submission of PE 0604404N.

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

The Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) program will address capability gaps identified in 2009 in the Navy's Power Projection from the Sea (PPftS) beyond 2024 Capability Based Assessment (CBA), which highlighted a lack of persistent, carrier-based Intelligence, Surveillance, and Reconnaissance (ISR) and Strike assets. The program's draft Initial Capability Document (ICD) identified 2018 for delivery of the UCLASS initial capability.

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The scope of the program includes, but is not limited to, system-level requirements identification, allocation of requirements to segments and components, design, development, integration, fabrication, test, training, and support to provide the UCLASS capabilities. The UCLASS system will deliver the necessary air vehicles, mission systems, shipboard and land-based launch and recovery control systems, associated support systems, interfaces, and upgrades to other Navy systems (as required) to meet these capabilities.

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	FY 2010	FY 2011	FY 2012
<b>Title:</b> Product Development	-	-	103.010
<b>Articles:</b>			0
<b>Description:</b> Product Development efforts include, but are not limited to, design, development, integration, fabrication, test, and training for all UCLASS capabilities across all system segments.			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy		<b>DATE:</b> February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>	<b>PROJECT</b> 3278: <i>UCLASS Development</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>FY 2012 Plans:</b> Initiate design and development of the UCLASS System. Government oversight of all UCLASS contract activities. Initiate CS&C Segment interface and integration activities. Initiate CVN Segment interface and integration activities.				
<b>Title:</b> Management Services		-	-	18.140
<b>Articles:</b>				0
<b>Description:</b> Efforts include Government program, engineering, test, and logistics management.				
<b>FY 2012 Plans:</b> Complete milestone preparation activities. Oversee UCLASS System interface and integration activities. Conduct source selections and award UCLASS System contracts. Initiate logistics management tasks including facilities, training, and manpower. Establish and maintain security and program office environments.				
<b>Accomplishments/Planned Programs Subtotals</b>		-	-	121.150
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>D. Acquisition Strategy</b>				
Acquisition and Contracting strategies that comply with current statute, regulations, and instructions are in development in preparation for Milestone A.				
<b>E. Performance Metrics</b>				
The Technology Development Phase contract award is planned in 2Q FY12. Delivery of the Initial Capability is planned for 2018.				

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

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>	<b>PROJECT</b> 3278: <i>UCLASS Development</i>
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<b>Product Development (\$ in Millions)</b>				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	C/CPIF	TBD:TBD	-	-		70.071	Mar 2012	-		70.071	Continuing	Continuing	Continuing
Systems Engineering	Various	Various:Various	-	-		3.536	Dec 2011	-		3.536	Continuing	Continuing	Continuing
Systems Engineering	WR	NAWCAD:Patuxent River, MD	-	-		5.500	Dec 2011	-		5.500	Continuing	Continuing	Continuing
Control System and Connectivity Segment	Various	Various:Various	-	-		5.203	Dec 2011	-		5.203	Continuing	Continuing	Continuing
Carrier Segment	Various	Various:Various	-	-		18.700	Dec 2011	-		18.700	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	-		103.010		-		103.010			

<b>Management Services (\$ in Millions)</b>				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
Management	Various	Various:Various	-	-		8.040	Dec 2011	-		8.040	Continuing	Continuing	Continuing
Management	WR	NAWCAD:Patuxent River, MD	-	-		10.100	Dec 2011	-		10.100	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	-		18.140		-		18.140			

	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	-	-	121.150	-	121.150			

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2012 Navy		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>	<b>PROJECT</b> 3278: <i>UCLASS Development</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Navy		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604404N: <i>Future Unmanned Carrier-based Strike System</i>	<b>PROJECT</b> 3278: <i>UCLASS Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Future Unmanned Carrier-Based Strike System</i></b>				
Acquisition Milestones: Milestones: Milestone A	2	2012	2	2012
Systems Development: System Design: Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) Air Segment Design	2	2012	1	2015
Systems Development: System Design: UCLASS Air Segment System Assembly and Integration	1	2014	4	2016
Systems Development: System Design: Carrier Vessel Nuclear (CVN) Segment Development and Integration	2	2012	4	2016
Systems Development: Contract Award: Contract Award	2	2012	2	2012
Systems Development: Ship Installations: Developmental CVN	4	2014	4	2015
Systems Development: Ship Installations: Operational CVN	1	2016	4	2016
Test and Evaluation: Developmental Test: CVN Segment Surrogate/Flight Testing	3	2014	4	2016
Test and Evaluation: Developmental Test: UCLASS Air Segment Mission Systems, Airworthiness, CVN Buildup Testing	4	2015	4	2016