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

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys							
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	-	75.700	122.481	-	122.481	144.134	674.140	777.615	611.206	Continuing	Continuing
3278: UCLASS Development	-	75.700	122.481	-	122.481	144.134	674.140	777.615	611.206	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) system will enhance carrier capability and versatility for the Joint Forces Commander through integration of a persistent and mission flexible unmanned aircraft into the Carrier Air Wing. The UCLASS Initial Capabilities Document (ICD) highlights the need for a persistent, survivable carrier-based Intelligence, Surveillance, and Reconnaissance and precision strike asset. The UCLASS ICD was approved by the Joint Requirements Oversight Council (JROC) in April 2011. The JROC memorandum (JROCM 087-11 of 9 June 2011) states that the Navy should prioritize cost and effectiveness trades to include, but are not limited to, endurance, payload, speed, sensors, and survivability to maintain affordability.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	-	121.150	362.374	-	362.374
Current President's Budget	-	75.700	122.481	-	122.481
Total Adjustments	-	-45.450	-239.893	-	-239.893
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-45.450			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-239.560	-	-239.560
• Rate/Misc Adjustments	-	-	-0.333	-	-0.333

Change Summary Explanation

Schedule: As a result of the JROCM approval of the UCLASS ICD in June 2011, the program's plan was adjusted, moving Milestone-A and contract award.
Technical: None.

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

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys				3278: UCLASS Development			
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
3278: UCLASS Development	-	75.700	122.481	-	122.481	144.134	674.140	777.615	611.206	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) system will enhance carrier capability and versatility for the Joint Forces Commander through integration of a persistent and mission flexible unmanned aircraft into the Carrier Air Wing (CVW). The UCLASS Initial Capabilities Document (ICD) highlights the need for a persistent, survivable carrier-based Intelligence, Surveillance, and Reconnaissance (ISR) and precision strike asset. The UCLASS ICD was approved by the Joint Requirements Oversight Council (JROC) in April 2011. The JROC memorandum (JROCM 087-11 of 9 June 2011) states that the Navy should prioritize cost and effectiveness trades to include, but are not limited to, endurance, payload, speed, sensors, and survivability to maintain affordability.

The UCLASS system will provide persistent ISR with precision strike support in a range of missions including irregular warfare and major combatant operation environments. UCLASS will be a major step forward in achieving integration of manned and unmanned systems within the CVW and will contribute to increasing sea-based capacity across the spectrum of maritime and littoral missions. UCLASS will allow a single CVW to provide continuous 24/7 ISR/strike capability. The UCLASS system will be sustainable onboard an aircraft carrier, as well as ashore, and will be designed to minimize increases in the logistics footprint of the current CVW.

The UCLASS system will have the ability to pass command and control information along with sensor data to other aircraft, naval vessels, and ground forces. Sensor data will be transmitted, in either raw or processed forms, at appropriate classification levels, to exploitation nodes afloat and ashore (e.g. Distributed Common Ground/ Surface System - Navy).

The UCLASS system will achieve these capabilities through the use of a carrier-suitable, semi-autonomous, unmanned Air Segment; a Control System and Connectivity Segment and; a Carrier Segment. The UCLASS system will interface with existing ship and land-based command and control systems, including ISR Tasking, Processing, Exploitation, and Dissemination systems.

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 activities to provide the UCLASS capabilities. To accomplish these capabilities the UCLASS program will (as required) transition technologies from other programs and adapt them into the carrier environment. The UCLASS system will deliver the necessary air vehicles, command, control, connectivity, shipboard and land-based launch and recovery control systems, associated support systems, interfaces, and upgrades to other Navy systems (as required) to meet the required capabilities.

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

	FY 2011	FY 2012	FY 2013
Title: Product Development	-	57.700	101.921
Articles:		0	0

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys	PROJECT 3278: UCLASS Development		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
<p>Description: Product Development efforts include, but are not limited to, design, development, integration, fabrication, test, and training for all Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) capabilities across system segments.</p> <p>FY 2012 Plans: Initiate design and development of the UCLASS System. Government oversight of all UCLASS contract activities. Initiate Control System and Connectivity (CS&C) Segment interface and integration activities. Initiate CVN Segment interface and integration activities.</p> <p>FY 2013 Plans: Continue UCLASS system cross-segment design trades and industry analyses, and implement an open system architecture across all UCLASS segments. Initiate Air Segment design and integration activities. CS&C hardware/software development. Deliver CS&C software development tools and documentation for design and integration activities. Establish Air Segment, CS&C Segment, and Carrier Segment interfaces, while establishing landing system and data link interfaces. Complete technology maturation assessments and transitions, and mature, as required, technologies into the UCLASS system. Develop ship change request and Engineering Change Proposal (ECP) documentation in accordance with Naval Sea Systems Command (NAVSEA), Space and Naval Warfare Systems Command (SPAWAR), and Program Executive Office, Aircraft Carriers (PEO(CARRIERS)) processes. Execute UCLASS ship integration activities with NAVSEA, SPAWAR, and PEO(CARRIERS). Complete shipboard network ECP planning. Establish system integration laboratories in support of government-led open system architecture and program activities.</p>				
<p>Title: Management</p> <p align="right">Articles:</p> <p>Description: Efforts include program, engineering, test, and logistics management.</p> <p>FY 2012 Plans: 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.</p> <p>FY 2013 Plans: Oversee, coordinate and manage UCLASS acquisition, system interface and integration activities. Continue logistics management tasks. Maintain security and program office environments. Conduct UCLASS system engineering reviews. Provide oversight of UCLASS contract activities. Develop requests for proposals and conduct source selections, as necessary, to support UCLASS program activities.</p>		-	18.000 0	18.360 0
<p>Title: Test and Evaluation</p>		-	-	2.200

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604404N: <i>(U)Unman Carrier Launch A/B</i> <i>Surv & Strk(UCLASS)Sys</i>	PROJECT 3278: <i>UCLASS Development</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012
Articles:			
FY 2013 Plans: Initiate test plan for surrogates. Establish requirements for test facilities and ranges. Support engineering events and program management activities.			0
Accomplishments/Planned Programs Subtotals		-	75.700
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy The Government will act as the system integrator across all Unmanned Carrier-Launched Airborne Surveillance and Strike Segments. The Government will develop and award contracts as required to support program activities. The Government's acquisition strategy will be approved by Milestone-A. Acquisition and contracting strategies comply with current statute, regulations, and instructions.			
E. Performance Metrics Meet Navy operational requirements as defined in requirements documents.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys					PROJECT 3278: UCLASS Development				
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	
Primary Hardware Development (Risk Reduction)	C/FFP	TBD:TBD	-	10.000	Apr 2012	-		-		-	0.000	10.000	10.000	
Primary Hardware Development (L/R Datalink - TTNT)	TBD	TBD:TBD	-	8.115	Jun 2012	22.000	Jan 2013	-		22.000	0.000	30.115	30.115	
Primary Hardware Development (Air Segment)	TBD	TBD:TBD	-	-		28.000	Jun 2013	-		28.000	Continuing	Continuing	Continuing	
Systems Engineering	Various	Various:Various	-	3.536	Feb 2012	5.011	Dec 2012	-		5.011	Continuing	Continuing	Continuing	
Systems Engineering	WR	NAWCAD:Patuxent River, MD	-	5.500	Feb 2012	6.989	Dec 2012	-		6.989	Continuing	Continuing	Continuing	
Mission Segment (Networking)	TBD	TBD:TBD	-	3.304	Feb 2012	5.300	Dec 2012	-		5.300	Continuing	Continuing	Continuing	
Mission Segment	Various	Various:Various	-	5.023	Feb 2012	8.144	Dec 2012	-		8.144	Continuing	Continuing	Continuing	
Control Segment	TBD	TBD:TBD	-	8.522	Feb 2012	8.696	Dec 2012	-		8.696	Continuing	Continuing	Continuing	
Carrier Segment (Landing System)	Various	Various:Various	-	-		3.083	Dec 2012	-		3.083	Continuing	Continuing	Continuing	
Carrier Segment (Ship Installations)	Various	Various:Various	-	13.700	Feb 2012	14.698	Dec 2012	-		14.698	Continuing	Continuing	Continuing	
Subtotal			-	57.700		101.921		-		101.921				
Remarks Launch and Recovery Datalink - Tactical Targeting Network Technology (L/R Datalink - TTNT)														
Test and Evaluation (\$ 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	
Test and Evaluation	Various	Various:Various	-	-		2.200	Dec 2012	-		2.200	Continuing	Continuing	Continuing	
Subtotal			-	-		2.200		-		2.200				

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys				PROJECT 3278: UCLASS Development					

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
Management	Various	Various:Various	-	7.980	Feb 2012	8.140	Dec 2012	-		8.140	Continuing	Continuing	Continuing
Management	WR	NAWCAD:Patuxent River, MD	-	10.020	Feb 2012	10.220	Dec 2012	-		10.220	Continuing	Continuing	Continuing
Subtotal			-	18.000		18.360		-		18.360			

	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	-	75.700	122.481	-	122.481			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604404N: (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys	PROJECT 3278: UCLASS Development

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0604404N: *(U)Unman Carrier Launch A/B*
Surv & Strk(UCLASS)Sys

PROJECT

3278: *UCLASS Development*

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) System</i>				
Acquisition Milestones: Milestones: Milestone A	4	2012	4	2012
Systems Development: UCLASS System Design: UCLASS Architecture Development and Integration	2	2012	4	2017
Systems Development: UCLASS System Design: UCLASS Air Segment System Design, Assembly, Integration and Correction of Deficiencies	3	2013	4	2017
Systems Development: UCLASS System Design: UCLASS Control System and Connectivity (CS&C) Segment Development Integration and Correction of Deficiencies	2	2012	4	2017
Systems Development: UCLASS System Design: Carrier Vessel Nuclear (CVN) Segment Development Integration and Correction of Deficiencies	2	2012	4	2017
Systems Development: Air Segment Contract Award: Air Segment Contract Award	3	2013	3	2013
Systems Development: Installations: CVN Installation(s)	2	2016	4	2017
Systems Development: Installations: UCLASS CS&C Installations	2	2016	4	2017
Test and Evaluation: Developmental Test: CVN Segment Surrogate/Flight Testing	1	2015	3	2017
Test and Evaluation: Developmental Test: UCLASS Air Segment Mission Systems, Airworthiness, CVN Buildup Testing	3	2016	4	2017