

**UNCLASSIFIED**

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy										Date: May 2017		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604404N I (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	424.806	414.376	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	839.182
3278: MQ-25 Development	424.806	114.376	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	539.182
9999: Congressional Adds	0.000	300.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	300.000

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** P462

**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, Reconnaissance, & Targeting (ISR&T) and precision strike asset. The Department continues to assess the UCLASS program and is conducting a Strategic Portfolio Review (SPR) of Department of Defense airborne ISR&T systems and the future composition of the carrier air wing. The current funding profile reflects a rephase to the program while the SPR is conducted. The Joint Requirements Oversight Council (JROC) endorsed the UCLASS ICD in April 2011 and formally approved it on 9 Jun 11 via Joint Requirements Oversight Council Memorandum (JROCM) 087-11. In support of affordability and adaptability directives, JROCMs 086-12 and 196-12 redefined the scope of JROCM 087-11 and affirmed the urgency for a platform that supports missions ranging from permissive counter-terrorism operations, to missions in low-end contested environments, to providing enabling capabilities for high-end denied operations, as well as supporting organic Naval missions. PB-17 reflected a restructure of the UCLASS program and transferred funding associated with PE 0604404N. As a result, remaining funding in PE 0604404N in the FYDP was transferred to PE 0605414N for the creation of the Unmanned Carrier Aviation (UCA)/MQ-25 Stingray program.

In FY16, the UCLASS program will execute source selection preparation and competitive air vehicle risk reduction activities that will transition to the UCA/MQ-25 Stingray program activities.

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Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)		PE 0604404N I (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys			
B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	434.699	0.000	0.000	-	0.000
Current President's Budget	414.376	0.000	0.000	-	0.000
Total Adjustments	-20.323	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-9.999	0.000			
• SBIR/STTR Transfer	-10.324	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
Congressional Add Details (\$ in Millions, and Includes General Reductions)				FY 2016	FY 2017
Project: 9999: Congressional Adds					
Congressional Add: Competitive Air Vehicle				250.000	0.000
Congressional Add: Government and Industry Source Selection				50.000	0.000
Congressional Add Subtotals for Project: 9999				300.000	0.000
Congressional Add Totals for all Projects				300.000	0.000
Change Summary Explanation					
Schedule and Budget: Not Applicable					

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Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604404N / (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys				Project (Number/Name) 3278 / MQ-25 Development			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
3278: MQ-25 Development	424.806	114.376	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	539.182
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: P462												
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, Reconnaissance, & Targeting (ISR&T) and precision strike asset. The Department assessed the UCLASS program and conducted a Strategic Portfolio Review (SPR) of Department of Defense airborne ISR&T systems and the future composition of the carrier air wing. The current funding profile reflects a rephase to the program. The Joint Requirements Oversight Council (JROC) endorsed the UCLASS ICD in April 2011 and formally approved it on 9 Jun 11 via Joint Requirements Oversight Council Memorandum (JROCM) 087-11. The PB-17 budget reflected the restructure of the UCLASS program and transferred funding associated with PE 0604404N. As a result, remaining funding in PE 0604404N in the FYDP was transferred to PE 0605414N for the creation of the Unmanned Carrier Aviation (UCA)/MQ-25 Stingray program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Air Segment Product Development  Articles:  Description: Air Segment Product Development efforts include, but are not limited to, design, development, integration, fabrication, test and training to deliver a carrier-suitable, semi-autonomous, unmanned vehicle capable of sustained Intelligence, Surveillance, Reconnaissance, & Targeting (ISR&T) operations and strike capability. A prime contractor, selected following a limited source competition, will deliver the Air Segment products.  FY 2016 Accomplishments: Continue Preliminary Design Review contracts. Prepare draft Request for Proposal (RFP) for the Air Segment contract. Continue Air Segment system integration and interface activities.  FY 2017 Plans: N/A  FY 2018 Base Plans:								7.147	0.000	0.000	0.000	0.000
								-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
N/A								
FY 2018 OCO Plans: N/A								
Title: Control System & Connectivity (CS&C) Segment Product Development				40.436	0.000	0.000	0.000	0.000
Articles:				-	-	-	-	-
Description: CS&C Segment Product Development is a Government-led effort which includes, but is not limited to, the hardware, software and networks needed to establish interfaces and upgrades to existing ship and land-based command and control systems. Specifically, ISR&T, Tasking, Collection, Processing, Exploitation, and Dissemination systems will be utilized.								
FY 2016 Accomplishments: Continue CS&C hardware/software development and integration. Continue development and fabrication of prototype CPS/CDS based control stations, to include the test-transportable control station and test-ashore control station, in order to meet timelines required to support integration and flight test. Continue verification/validation activities of CS&C software requirements and documentation in Government integration lab for land-based and CVN-based control stations. Continue development of test-transportable control station. Conduct control station requirements verification/validation activities in Government integration lab. Continue integration of ADNS hardware/software components. Continue integration testing between control station with shipboard networks and data links.								
FY 2017 Plans: N/A								
FY 2018 Base Plans: N/A								
FY 2018 OCO Plans: N/A								
Title: Carrier (CVN) Segment Product Development				30.670	0.000	0.000	0.000	0.000
Articles:				-	-	-	-	-
Description: CVN Segment Product Development is a Government-led effort which includes, but is not limited to, upgrades to existing CVN infrastructure to support UCLASS capabilities.								

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
<b>FY 2016 Accomplishments:</b> Continue ship installation activities and upgrades to existing Carrier (CVN) infrastructure, especially critical CVN suitable technologies and mission essential equipment. Continue engineering efforts in support of implementing SCDs and ECPs to modify CVNs for UCLASS hardware and software. Continue CVN ship integration activities and development of Concept of Operations in accordance with Naval Sea Systems Command, Space and Naval Warfare Systems Command, Program Executive Office, Aircraft Carriers, Commander Naval Air Forces, and Office of the Chief of Naval Operations processes. Continue development of UCLASS modifications to existing PoR shipboard systems needed to support the UCLASS capability to include required hardware for shipboard test and integration activities. Continue development of NMP supporting shipboard Configuration Management and Logistics.						
<b>FY 2017 Plans:</b> N/A						
<b>FY 2018 Base Plans:</b> N/A						
<b>FY 2018 OCO Plans:</b> N/A						
<b>Title:</b> Lead Systems Integration (LSI) Product Development		21.012	0.000	0.000	0.000	0.000
<b>Articles:</b>		-	-	-	-	-
<b>Description:</b> The LSI task is a Government-led effort including, but not limited to, advanced development, architecture development, interface definition, integration, system level test and evaluation, science and technology investments, roadmap refinement, and coordination of all UCLASS capabilities across system segments and stakeholders.						
<b>FY 2016 Accomplishments:</b> Continue Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) efforts to implement an open system architecture across all UCLASS segments. Continue enterprise design and integration activities. Continue Air Segment, Control System & Connectivity Segment, and Carrier Segment interface activities. Continue development of enterprise UCLASS CONEMPS. Continue stand up of system integration laboratories						

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
and test facilities in support of government-led program activities, including implementation of open system architectures.  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Base Plans:</b> N/A  <b>FY 2018 OCO Plans:</b> N/A								
<b>Title:</b> Support  <b>Articles:</b>				5.173 -	0.000 -	0.000 -	0.000 -	0.000 -
<b>Description:</b> Efforts include studies, analyses and training development support.  <b>FY 2016 Accomplishments:</b> Continue logistics supportability studies and analyses, modeling and simulation, support of Manned Flight Simulation efforts, development of training tools for the Fleet, and development of manpower and training assessments.  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Base Plans:</b> N/A  <b>FY 2018 OCO Plans:</b> N/A								
<b>Title:</b> Test and Evaluation  <b>Articles:</b>				4.134 -	0.000 -	0.000 -	0.000 -	0.000 -
<b>FY 2016 Accomplishments:</b>								

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>						
		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
Continue test plans for surrogates. Oversee development and implementation of test facility, range and lab test requirements. Support engineering events and program management activities. Support developmental test for CS&C and CVN segments.  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Base Plans:</b> N/A  <b>FY 2018 OCO Plans:</b> N/A						
<b>Title:</b> Management		5.804	0.000	0.000	0.000	0.000
<b>Articles:</b>		-	-	-	-	-
<b>Description:</b> Efforts include program, engineering, test, and logistics management.						
<b>FY 2016 Accomplishments:</b> Continue oversight, coordination, and management of UCLASS acquisition, system interface and integration activities. Provide oversight of UCLASS contract activities, including source selection for the Air System contract. Continue logistics management tasks. Continue to maintain security and program office environments.  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Base Plans:</b> N/A  <b>FY 2018 OCO Plans:</b> N/A						
<b>Accomplishments/Planned Programs Subtotals</b>		114.376	0.000	0.000	0.000	0.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>						
N/A						
<b>Remarks</b>						

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<p><b><u>D. Acquisition Strategy</u></b></p> <p>The Government is the Lead Systems Integration (LSI) across all Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) segments, including Air Segment, Control System &amp; Connectivity (CS&amp;C) Segment, and Carrier (CVN) Segment and external enterprise stakeholders. The UCLASS Program will leverage existing Navy information dissemination and Department infrastructures, as the government-led system of systems integration is accomplished across all segments and external enterprise stakeholders. The Government will manage the system level architecture and interfaces, and foster efficient data exchanges and integration. Specifically, the CS&amp;C and CVN segments will be organically managed by the Government LSI and will modify existing systems via the affected system's Engineering Change Proposal and configuration management processes. These integration tasks include successful demonstration of integration with the CVN landing system, integration of control system, and integration with the Tasking, Collecting, Processing, Exploitation, Dissemination interfaces to include successful transmission of mission system data. The Government will develop and award contracts as required to support program activities, including a contract for the Air System. The Government's acquisition strategy was approved on 7 Jun 13. Acquisition and contracting strategies comply with current statutes, regulations, and instructions.</p> <p><b><u>E. Performance Metrics</u></b></p> <p>Meet Navy operational requirements as defined in requirements documents.</p>		



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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
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Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Segment (Primary Hardware Development)	SS/FFP	Boeing : St. Louis, MO	19.086	0.000		0.000		0.000		-		0.000	0.000	19.086	19.086
Air Segment (Primary Hardware Development)	SS/FFP	General Atomics : Poway, CA	19.939	0.000		0.000		0.000		-		0.000	0.000	19.939	19.939
Air Segment (Primary Hardware Development)	SS/FFP	Lockheed Martin : Palmdale, CA	16.579	0.000		0.000		0.000		-		0.000	0.000	16.579	16.579
Air Segment (Primary Hardware Development)	SS/FFP	Northrop Grumman : El Segundo, CA	19.107	0.000		0.000		0.000		-		0.000	0.000	19.107	19.107
Air Segment - Systems Engineering	WR	NAWCAD : Patuxent River, MD	28.954	6.455	Dec 2015	0.000		0.000		-		0.000	0.000	35.409	-
Air Segment - Systems Engineering	Various	Various : Various	2.207	0.692	Dec 2015	0.000		0.000		-		0.000	0.000	2.899	-
CS&C Segment	WR	NAWCAD : Patuxent River, MD	46.648	11.502	Dec 2015	0.000		0.000		-		0.000	0.000	58.150	-
CS&C Segment	Various	Various : Various	20.158	2.747	Dec 2015	0.000		0.000		-		0.000	0.000	22.905	-
CS&C Segment	Various	NSMA : Arlington, VA	11.234	3.049	Dec 2015	0.000		0.000		-		0.000	0.000	14.283	-
CS&C Segment	WR	NAWCWD : China Lake, CA	12.983	0.000		0.000		0.000		-		0.000	0.000	12.983	-
CS&C Segment	WR	NAWCWD : Point Mugu, CA	15.007	0.354	Dec 2015	0.000		0.000		-		0.000	0.000	15.361	-
CS&C Segment	WR	SPAWAR : San Diego, CA	21.117	7.772	Dec 2015	0.000		0.000		-		0.000	0.000	28.889	-
CS&C Segment	C/CPFF	Raytheon : El Segundo, CA	21.823	0.000		0.000		0.000		-		0.000	0.000	21.823	21.823
CS&C Segment (Comms, Network, Intel)	Various	Various : Various	9.583	11.400	Dec 2015	0.000		0.000		-		0.000	0.000	20.983	-
CS&C Segment (CPS/ CDS)	Various	Various : Various	4.468	3.612	Jul 2016	0.000		0.000		-		0.000	0.000	8.080	-
Carrier Segment (Ship Integration)	Various	Various : Various	12.207	4.518	Dec 2015	0.000		0.000		-		0.000	0.000	16.725	-

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Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Carrier Segment (Ship Integration)	WR	NAWCAD : Patuxent River, MD	38.370	23.363	Dec 2015	0.000		0.000		-		0.000	0.000	61.733	-
Carrier Segment (Ship Integration)	WR	NAWCAD : Lakehurst, NJ	0.750	1.800	Dec 2015	0.000		0.000		-		0.000	0.000	2.550	-
Carrier Segment	WR	SPAWAR : San Diego, CA	0.968	0.989	Dec 2015	0.000		0.000		-		0.000	0.000	1.957	-
LSI-Advanced Development (Primary Hardware Development)	Various	Various : Various	13.064	0.515	Dec 2015	0.000		0.000		-		0.000	0.000	13.579	-
LSI- Advanced Development (Primary Hardware Development)	WR	NAWCAD : Patuxent River, MD	6.508	1.160	Dec 2015	0.000		0.000		-		0.000	0.000	7.668	-
LSI-Advanced Development (Primary Hardware Development)	WR	NAWCWD : China Lake, CA	8.128	1.065	Dec 2015	0.000		0.000		-		0.000	0.000	9.193	-
LSI - Systems Engineering	Various	Various : Various	7.048	4.477	Dec 2015	0.000		0.000		-		0.000	0.000	11.525	-
LSI - Systems Engineering	WR	NAWCAD : Patuxent River, MD	16.466	13.795	Dec 2015	0.000		0.000		-		0.000	0.000	30.261	-
Prior year Prod Dev costs no longer funded in the FYDP	Various	Various : Various	17.424	0.000		0.000		0.000		-		0.000	0.000	17.424	-
Subtotal			389.826	99.265		0.000		0.000		-		0.000	0.000	489.091	-
Remarks Control System and Connectivity (CS&C) Segment Navy Systems Management Activity (NSMA) Common Display System (CDS) Advanced Development (AD) Common Processing System (CPS) Lead Systems Integration (LSI) Note: UCLASS PE 0604404N ends in FY16															

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<b>Support (\$ in Millions)</b>				<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Manpower Studies & Analyses	Various	Various : Various	0.067	0.095	Jan 2016	0.000		0.000		-		0.000	0.000	0.162	-
Training Development	Various	Various : Various	1.408	5.078	Dec 2015	0.000		0.000		-		0.000	0.000	6.486	-
<b>Subtotal</b>			1.475	5.173		0.000		0.000		-		0.000	0.000	6.648	-
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Test and Evaluation	WR	NAWCAD : Patuxent River, MD	7.699	4.100	Dec 2015	0.000		0.000		-		0.000	0.000	11.799	-
Test and Evaluation	Various	Various : Various	0.022	0.034	Jan 2016	0.000		0.000		-		0.000	0.000	0.056	-
<b>Subtotal</b>			7.721	4.134		0.000		0.000		-		0.000	0.000	11.855	-
<b>Management Services (\$ in Millions)</b>				<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Management	Various	Various : Various	5.459	1.967	Dec 2015	0.000		0.000		-		0.000	0.000	7.426	-
Management	WR	NAWCAD : Patuxent River, MD	20.109	3.790	Dec 2015	0.000		0.000		-		0.000	0.000	23.899	-
Management (Travel)	Various	NAVAIR : Patuxent River, MD	0.216	0.047	Oct 2015	0.000		0.000		-		0.000	0.000	0.263	-
<b>Subtotal</b>			25.784	5.804		0.000		0.000		-		0.000	0.000	31.588	-
			<b>Prior Years</b>	<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			424.806	114.376		0.000		0.000		-		0.000	0.000	539.182	-
<b>Remarks</b>															

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**Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy**

**Date:** May 2017

**Appropriation/Budget Activity**

1319 / 5

**R-1 Program Element (Number/Name)**

PE 0604404N / (U)Unman Carrier Launch

A/B Surv & Strk(UCLASS)Sys

**Project (Number/Name)**

3278 / MQ-25 Development

Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) System	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
<b>Acquisition Milestones</b>																												
<b>Systems Development</b>																												
UCLASS System Design & Integration																												
Air Segment																												
Boeing																												
General Atomics																												
Lockheed Martin																												
Northrop Grumman																												
Control System and Connectivity (CS&C) Segment																												
CVN CS/Integration/Clean-up CS																												
Deployable CS/Integration/Clean-up CS																												
Fixed CS/Integration/Clean-up CS																												
SW Development/SW Testing/Technology Refresh/SW Integration																												
CVN Segment																												
SCD Development/Installation Plan/Verification																												
Installations																												
Ship Installation																												
<b>Test and Evaluation</b>																												
Developmental Test																												

2018OSD - 0604404N - 3278

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: FY 2018 Navy</b>			<b>Date: May 2017</b>
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604404N / (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys	<b>Project (Number/Name)</b> 3278 / MQ-25 Development	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>Unmanned Carrier-Launched Airborne Surveillance and Strike (UCLASS) System</i></b>				
Systems Development: UCLASS System Design & Integration: UCLASS Architecture Development and Integration	1	2016	4	2016
Systems Development: Air Segment: Boeing	1	2016	1	2016
Systems Development: Air Segment: General Atomics	1	2016	1	2016
Systems Development: Air Segment: Lockheed Martin	1	2016	1	2016
Systems Development: Air Segment: Northrop Grumman	1	2016	1	2016
Systems Development: Carrier Vessel Nuclear (CVN) Control Station (CS)/Integration/Clean-up CS	1	2016	4	2016
Systems Development: Deployable CS/Integration/Clean-up CS	3	2016	4	2016
Systems Development: Fixed CS/Integration/Clean-up CS	3	2016	4	2016
Systems Development: Software (SW) Development/SW Testing/Technology Refresh/SW Integration	1	2016	4	2016
Systems Development: CVN Segment: Ship Change Document (SCD) Development/Installation Plan/Verification	1	2016	4	2016
Systems Development: Installations: Ship Installation	1	2016	4	2016

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> FY 2018 Navy										<b>Date:</b> May 2017		
<b>Appropriation/Budget Activity</b> 1319 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604404N / (U)Unman Carrier Launch A/B Surv & Strk(UCLASS)Sys				<b>Project (Number/Name)</b> 9999 / Congressional Adds			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
9999: Congressional Adds	0.000	300.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	300.000
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**  
 Funding provided in support of competitive air vehicle risk reduction activities to include government and industry source selection preparation.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2016</b>	<b>FY 2017</b>
<b>Congressional Add:</b> Competitive Air Vehicle	250.000	0.000
<b>FY 2016 Accomplishments:</b> Effort includes Competitive air vehicle risk reduction activities.		
<b>FY 2017 Plans:</b> N/A		
<b>Congressional Add:</b> Government and Industry Source Selection	50.000	0.000
<b>FY 2016 Accomplishments:</b> Effort includes government and industry source selection preparation.		
<b>FY 2017 Plans:</b> N/A		
<b>Congressional Adds Subtotals</b>	300.000	0.000

**C. Other Program Funding Summary (\$ in Millions)**  
 N/A

**Remarks**

**D. Acquisition Strategy**  
 N/A

**E. Performance Metrics**  
 Funding provided in support of competitive air vehicle risk reduction activities to include government and industry source selection preparation.