

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305220N / RQ-4 UAV							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	1,512.368	612.682	375.235	498.003	-	498.003	363.120	228.583	110.773	43.222	44.300	3,788.286
4020: MQ-4 TRITON	1,512.368	612.682	375.235	498.003	-	498.003	363.120	228.583	110.773	43.222	44.300	3,788.286
MDAP/MAIS Code: 373												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
MQ-4C Triton Unmanned Air System (UAS). The popular name Triton was approved for the MQ-4C UAS in June 2012, designating the RQ-4 Broad Area Maritime Surveillance (BAMS) Unmanned Aircraft System (UAS) as the MQ-4C Triton.												
The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. Envisioned as an unmanned adjunct to the P-8A Multi-Mission Maritime Aircraft and crucial to the recapitalization of Navy's airborne maritime ISR capability, the system will seek to leverage Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.												
The MQ-4C air vehicle is based on Northrop Grumman's Block 20 Global Hawk and features sensors designed to provide near worldwide coverage through a network of five orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and Electronic Support Measures systems. Additionally, the MQ-4C will have a communications relay capability designed to link dispersed forces in the theater of operations and serve as a node in the Navy's FORCEnet strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.												
The MQ-4C Triton UAS will implement phased modifications within the acquisition program to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent ISR dominance through the system's lifecycle, and to support the OPNAV N2/N6 Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) transition plan. Modifications are intended to update Triton's Multi-Intelligence capabilities, provide Counter Electronic Attack (CEA) upgrades, a more robust electronic support capability and to continue improvements to baseline mission system payloads.												
MQ-4C will play a significant role in the Sea Shield and FORCEnet pillars of Sea Power 21. In its Sea Shield role, the system will rely on its key attribute of persistence to provide the supported combatant command or fleet commander with unparalleled situational awareness of the maritime battle space as it develops and sustains the common operational tactical picture. The system will also serve as a Fleet response plan enabler, while acting as a trip wire for intelligence preparation of the environment. Additionally, Triton UAS will be a FORCEnet enabler and relay platform, directly connected to both the Global Information Grid and the Distributed Common Ground System-Navy information backbone.												

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation/Budget Activity</b> 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development	<b>R-1 Program Element (Number/Name)</b> PE 0305220N / RQ-4 UAV
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>
Previous President's Budget	657.483	375.235	336.776	-	336.776
Current President's Budget	612.682	375.235	498.003	-	498.003
Total Adjustments	-44.801	-	161.227	-	161.227
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	9.999	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	182.200	-	182.200
• Rate/Misc Adjustments	-0.001	-	-20.973	-	-20.973
• Congressional General Reductions Adjustments	-54.799	-	-	-	-

**Change Summary Explanation**

Technical: PB15 resources the MQ-4C Triton Research, Development, Test and Evaluation (RDT&E) program including Multi-Intelligence upgrades. System Demonstration Test Articles (SDTA) quantity reduced from 3 to 2.

Schedule: Technical challenges in the development program (combined with sequestration driven resourcing constraints) led to departmental decisions to delay the start of production and re-plan Triton's schedule milestones.

PB15 shifted Milestone C from 1Q FY15 to 1Q FY16. Full Rate Production (FRP) milestone decision shifted from 1Q FY17 to 2Q FY18. Low Rate Initial Production (LRIP) 1 contract award shifted from 2Q FY15 to 2Q FY16 and LRIP 2 contract award from 2Q FY16 to 2Q FY17. FRP Lot 3 contract award shifted from 2Q FY17 to 2Q FY18 and FRP Lot 4 contract award shifted from 2Q FY18 to 2Q FY19. Initial Operational Capability (IOC) shifted from 3Q FY17 to 3Q FY18. SDTA deliveries shifted from 1Q FY15 through 3Q FY15 to 4Q FY15 through 1Q FY16. LRIP 1 deliveries shifted from 3Q FY17 through 1Q FY18 to 2Q FY18 through 1Q FY19. LRIP 2 deliveries shifted from 2Q FY18 through 4Q FY18 to 2Q FY19 to 4Q FY19. Integrated Test shifted from 4Q FY12 through 3Q FY15 to 4Q FY12 through 1Q FY17. Operational Test Readiness Review shifted from 4Q FY15 to 2Q FY17. Operational Evaluation shifted from 1Q FY16 through 2Q FY16 to 3Q FY17 through 4Q FY17. Follow On Integrated Test was added from 1Q FY18 through 4Q FY19.

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0305220N / RQ-4 UAV				Project (Number/Name) 4020 / MQ-4 TRITON			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
4020: MQ-4 TRITON	1,512.368	612.682	375.235	498.003	-	498.003	363.120	228.583	110.773	43.222	44.300	3,788.286
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
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The MQ-4C Triton UAS will implement phased modifications within the acquisition program to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent ISR dominance through the system's lifecycle, and to support the OPNAV N2/N6 Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) transition plan. Modifications are intended to update Triton's Multi-Intelligence capabilities, provide Counter Electronic Attack (CEA) upgrades, a more robust electronic support capability and to continue improvements to baseline mission system payloads.												
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Product Development									561.893	326.900	446.037	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy			<b>Date:</b> March 2014		
<b>Appropriation/Budget Activity</b> 1319 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0305220N / RQ-4 UAV		<b>Project (Number/Name)</b> 4020 / MQ-4 TRITON	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>			<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<p align="right"><b>Articles:</b></p> <p><b>Description:</b> Awarded contract in FY08 to initiate the MQ-4C Triton System Development and Demonstration (SDD) phase effort. The Prime Contractor is responsible for overall system development and performance, as well as associated management, engineering and logistics activities. System Demonstration Test Article (SDTA) quantity reduced from 3 to 2 vehicles to mitigate shortfalls in Research, Development, Test &amp; Evaluation (RDT&amp;E) funding.</p> <p><b>FY 2013 Accomplishments:</b> Continued SDD. Funding increased from FY12 due to the purchase of 2 SDTA vehicles to support Operational Test and Evaluation along with continued government engineering support related to SDD.</p> <p><b>FY 2014 Plans:</b> Continue SDD and build of 2 SDTA vehicles. Funding decreases from FY13 to support transition into the test phase of the SDD program.</p> <p><b>FY 2015 Plans:</b> Continue SDD and delivery of 2 SDTA vehicles. Funding increased from FY14 to continue the MQ-4C Triton SDD program and to begin development of phased modifications, including Multi-Intelligence upgrades in support of the OPNAV N2/N6 Intelligence, Surveillance, Reconnaissance and Targeting transition plan.</p>			2.000	-	-
<p><b>Title:</b> ILS, Support, Studies &amp; Analysis</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> Integrated Logistics Support, Studies and Analysis.</p> <p><b>FY 2013 Accomplishments:</b> Continued integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the Triton Unmanned Aircraft System (UAS) capabilities.</p> <p><b>FY 2014 Plans:</b> Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the MQ-4C Triton UAS capabilities.</p> <p><b>FY 2015 Plans:</b></p>			13.022 -	12.762 -	13.065 -

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Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305220N / RQ-4 UAV	Project (Number/Name) 4020 / MQ-4 TRITON		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the Triton Unmanned Aircraft System (UAS) capabilities.				
<p><b>Title:</b> Program Management (PM)</p> <p><b>Description:</b> PM support and travel.</p> <p><b>FY 2013 Accomplishments:</b> Continued the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts.</p> <p><b>FY 2014 Plans:</b> Continue the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts. Funding decreases from FY13 to reflect the ramp down in program management required to support the test phase of the System Development and Demonstration program.</p> <p><b>FY 2015 Plans:</b> Continue the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts.</p>		6.432 Articles: -	5.994 -	6.723 -
<p><b>Title:</b> Test &amp; Evaluation (T&amp;E)</p> <p><b>Description:</b> T&amp;E efforts.</p> <p><b>FY 2013 Accomplishments:</b></p>		31.335 Articles: -	29.579 -	32.178 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Continued test and evaluation support activities to allow test and fielding on the MQ-4C Triton Unmanned Aircraft System (UAS). Funding profile reflected increase in Developmental Testing (DT) and Operational Testing (OT) in support of the established program schedule.												
FY 2014 Plans: Continue DT and OT support activities to allow test and fielding of the MQ-4C Triton UAS in accordance with the program schedule.												
FY 2015 Plans: Continue DT and OT support activities to allow test and fielding of the MQ-4C Triton UAS in accordance with the program schedule.												
Accomplishments/Planned Programs Subtotals										612.682	375.235	498.003
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• APN-4/044200: RQ-4 UAV (Triton UAV)	47.200	-	37.445	-	37.445	658.874	632.825	639.513	708.713	8,041.266	10,765.836	
• MILCON/0815976N: Facilities New Footprint - Training	12.076	61.702	-	-	-	-	-	-	35.823	-	114.083	
• MILCON/0203176N: Facilities Restoration and Mod	20.753	-	-	-	-	-	-	-	-	-	20.753	
• MILCON/0212176N: Facilities New Footprint - Fleet Ops	32.145	17.469	-	-	-	53.071	70.340	-	-	-	173.025	
• APN-6/044200: RQ-4 UAV (Triton UAV)	-	-	-	-	-	120.737	88.726	91.216	6.731	1,100.470	1,407.880	
• MILCON/0816376N: Facilities New Footprint - T&E	-	-	-	-	-	-	-	-	-	-	33.034	
• OMN/1D4D: Weapons Maintenance	-	-	-	-	-	-	5.777	30.373	33.426	Continuing	Continuing	
• OMN/1A1A: Mission and Other Flight Operations	-	-	-	-	-	-	3.753	11.075	26.233	Continuing	Continuing	
Remarks												

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305220N / RQ-4 UAV	<b>Project (Number/Name)</b> 4020 / MQ-4 TRITON
<b><u>D. Acquisition Strategy</u></b> <p>The MQ-4C Triton acquisition approach encompasses delivery of detection, tracking, imaging and data dissemination capabilities at Initial Operational Capability (IOC) with activities to enhance sensor and system performance via phased system modifications for post IOC delivery as part of the Triton acquisition program. This approach of phased modifications within the acquisition program enables MQ-4C to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent Intelligence, Surveillance and Reconnaissance dominance through the system's lifecycle.</p> <p>The MQ-4C Triton program office is pursuing joint efficiency with the Air Force on the Global Hawk Unmanned Aircraft System (UAS). However, the integration of the Triton UAS into the Maritime Patrol Reconnaissance Force and the unique maritime sensors employed dictate a Navy-led acquisition program focused on joint efficiencies, where possible.</p>		
<b><u>E. Performance Metrics</u></b> <p>Successfully achieve Milestone C, Integrated Test, Operational Evaluation and Initial Operation Capability.</p>		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy** **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305220N / RQ-4 UAV	<b>Project (Number/Name)</b> 4020 / MQ-4 TRITON
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Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Primary Hardware Development	C/CPIF	Northrop Grumman : Rancho Bernardo, CA	1,300.826	525.779	Nov 2012	297.513	Nov 2013	402.453	Nov 2014	-		402.453	571.004	3,097.575	3,097.575
Systems Engineering	Various	Various : Various	4.647	1.000	Nov 2012	3.907	Nov 2013	6.536	Nov 2014	-		6.536	14.223	30.313	-
Award Fees	C/CPAF	Northrop Grumman : Bethpage, NY	24.553	-		-		-		-		-	-	24.553	24.553
Systems Engineering	WR	NAWC-AD : Patuxent River, MD	85.401	33.759	Nov 2012	24.225	Nov 2013	29.308	Nov 2014	-		29.308	56.598	229.291	-
Systems Engineering	WR	NAWC-WD : China Lake, CA	3.941	1.355	Nov 2012	1.255	Nov 2013	1.240	Nov 2014	-		1.240	1.484	9.275	-
Primary Hardware Development	TBD	TBD : TBD	0.000	-		-		6.500	Nov 2014	-		6.500	25.500	32.000	-
<b>Subtotal</b>			1,419.368	561.893		326.900		446.037		-		446.037	668.809	3,423.007	-

**Remarks**

The percentage of funding actually awarded for the FY10 Award Fee period was 80.6%. In FY11, 75.1% of the Award Fee was earned. In FY12, 53.6% of the Award Fee was earned. In FY13, 0% of Award Fee was earned. Contract type changed from CPAF to CPIF in January 2014.

Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Development Support	Various	Various : Various	10.613	2.074	Nov 2012	2.115	Nov 2013	2.268	Nov 2014	-		2.268	3.398	20.468	-
Integrated Logistics Support	Various	Various : Various	3.034	1.100	Nov 2012	1.600	Nov 2013	1.619	Nov 2014	-		1.619	5.901	13.254	-
Development Support	WR	NAVSEA : Dahlgren, VA	8.432	2.178	Dec 2012	2.000	Dec 2013	2.170	Dec 2014	-		2.170	0.844	15.624	-
Integrated Logistics Support	WR	NAWC-AD : Patuxent River, MD	12.701	6.603	Nov 2012	5.548	Nov 2013	5.485	Nov 2014	-		5.485	11.815	42.152	-
Integrated Logistics Support	WR	NAWC-TSD : Orlando, FL	3.110	1.067	Nov 2012	1.499	Nov 2013	1.523	Nov 2014	-		1.523	1.095	8.294	-
Prior year cost no longer funded in the FYDP	Various	Various : Various	0.768	-		-		-		-		-	-	0.768	-



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Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0305220N / RQ-4 UAV				Project (Number/Name) 4020 / MQ-4 TRITON					
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Subtotal			38.658	13.022		12.762		13.065		-		13.065	23.053	100.560	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Developmental Test & Evaluation	Various	Various : Various	11.780	7.549	Nov 2012	3.500	Nov 2013	3.610	Nov 2014	-		3.610	17.811	44.250	-
Developmental Test & Evaluation	WR	NAWC-AD : Patuxent River, MD	25.523	19.686	Nov 2012	17.079	Nov 2013	19.968	Nov 2014	-		19.968	45.976	128.232	-
Operational Test & Evaluation	Various	Various : Various	0.000	0.200	Nov 2012	5.200	Nov 2013	4.900	Nov 2014	-		4.900	21.002	31.302	-
Developmental Test & Evaluation	MIPR	DITCO : Various	0.000	3.900	Nov 2012	3.800	Nov 2013	3.700	Nov 2014	-		3.700	1.000	12.400	-
Subtotal			37.303	31.335		29.579		32.178		-		32.178	85.789	216.184	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Contractor Engineering Support	C/CPFF	Mitre : McLean, VA	3.478	1.606	Nov 2012	1.300	Nov 2013	1.300	Nov 2014	-		1.300	1.400	9.084	9.084
Program Management	Various	Various : Various	2.211	0.438	Nov 2012	0.350	Nov 2013	0.320	Nov 2014	-		0.320	6.024	9.343	-
Travel	WR	Various : Various	0.972	0.216	Nov 2012	0.194	Nov 2013	0.171	Nov 2014	-		0.171	0.609	2.162	-
Program Management Support	C/CPFF	Ausley : Lexington Park, MD	10.378	4.172	Dec 2012	4.150	Dec 2013	4.932	Nov 2014	-		4.932	4.314	27.946	27.946
Subtotal			17.039	6.432		5.994		6.723		-		6.723	12.347	48.535	-
Remarks															
Travel funding vehicle type is TO.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy											Date: March 2014		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0305220N / RQ-4 UAV				Project (Number/Name) 4020 / MQ-4 TRITON				
	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,512.368	612.682		375.235		498.003		-		498.003	789.998	3,788.286	-

**Remarks**

Prior to FY10, MQ-4C Triton, formerly known as RQ-4 Broad Area Maritime Surveillance (BAMS), was budgeted for in PE 0305205N: Endurance Unmanned Aer Veh.

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity  
1319 / 7

R-1 Program Element (Number/Name)  
PE 0305220N / RQ-4 UAV

Project (Number/Name)  
4020 / MQ-4 TRITON

Proj 4020	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
Acquisition Milestones													MS C ▲									FRP ▲	IOC ▲					
System Development	Systems Demonstration and Development																											
Reviews		FRR ■																										
Test & Evaluation Activities	Integrated Test CT/DT/OT																OTRR ■	OPEVAL	Follow-on Integrated Test									
Production Milestones																												
Contracts	SDTA CA RDTEN ●												LRIP 1 CA APN ●				LRIP 2 CA APN ●				Lot 3 CA APN ●				Lot 4 CA APN ●			
Deliveries	SDD RDTEN Qty 2											SDTA RDTEN Qty 2									LRIP 1 APN Qty 4				LRIP 2 APN Qty 4			

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Navy			<b>Date:</b> March 2014
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305220N / RQ-4 UAV	<b>Project (Number/Name)</b> 4020 / MQ-4 TRITON	

**Schedule Details**

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 4020</b>				
Acquisition Milestones: Milestone C	1	2016	1	2016
Acquisition Milestones: Full Rate Production	2	2018	2	2018
Acquisition Milestones: Initial Operational Capability	3	2018	3	2018
System Development: System Development and Demonstration	1	2013	4	2019
System Development: Reviews: Flight Readiness Review	2	2013	2	2013
Test & Evaluation Activities: Integrated Test (Combined/Developmental/Operational)	1	2013	1	2017
Test & Evaluation Activities: Follow-on Integrated Test	1	2018	4	2019
Test & Evaluation Activities: Operational Test Readiness Review	2	2017	2	2017
Test & Evaluation Activities: OPEVAL	3	2017	4	2017
Production Milestones: Contracts: System Demonstration Test Articles Contract Award	1	2013	1	2013
Production Milestones: Contracts: Low Rate Initial Production 1 Contract Award	2	2016	2	2016
Production Milestones: Contracts: Low Rate Initial Production 2 Contract Award	2	2017	2	2017
Production Milestones: Contracts: Full Rate Production Lot 3 Contract Award	2	2018	2	2018
Production Milestones: Contracts: Full Rate Production Lot 4 Contract Award	2	2019	2	2019
Production Milestones: Deliveries: System Development and Demonstration Deliveries	1	2013	2	2013
Production Milestones: Deliveries: System Demonstration Test Articles Delivery	4	2015	1	2016
Production Milestones: Deliveries: Low Rate Initial Production Lot 1 Delivery	2	2018	1	2019
Production Milestones: Deliveries: Low Rate Initial Production Lot 2 Delivery	2	2019	4	2019