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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 0305239M / (U)RQ-21A
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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	24.201	22.924	11.122	8.192	-	8.192	8.376	8.580	8.734	8.928	Continuing	Continuing
2298: SMALL (LEVEL 0) TACTICAL UAS (STUALO)	24.201	22.924	11.122	8.192	-	8.192	8.376	8.580	8.734	8.928	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The RQ-21A program will provide persistent maritime and land-based tactical Reconnaissance, Surveillance and Target Acquisition (RSTA) data collection and dissemination capability to the war fighter. For the United States Marine Corps (USMC), RQ-21A will provide the Marine Expeditionary Force and subordinate commands (divisions and regiments) with a dedicated, organic Intelligence, Surveillance, and Reconnaissance (ISR) capability delivering intelligence products directly to the tactical commander in real time. For the United States Navy (USN) RQ-21A will provide persistent RSTA support for tactical maneuver decisions and unit-level force defense/force protection for Navy Ships, Marine Corps land forces, Navy Expeditionary Combat Command forces, and Navy Special Warfare Units. This is a combined development program between Navy and Marine Corps. This submission is the Marine Corps portion of the program and has been coordinated with the Navy budget submission PE 0305234N (STUAS).

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	22.343	11.122	9.274	-	9.274
Current President's Budget	22.924	11.122	8.192	-	8.192
Total Adjustments	0.581	-	-1.082	-	-1.082
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.444	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	1.000	-	1.000
• Rate/Misc Adjustments	-0.001	-	-2.082	-	-2.082
• Congressional General Reductions Adjustments	-1.862	-	-	-	-

Change Summary Explanation

The decrease in funding from FY13 through FY15 represents the program shift to Full Rate Production (FRP).

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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 0305239M / (U)RQ-21A				Project (Number/Name) 2298 / SMALL (LEVEL 0) TACTICAL UAS (STUAL0)			
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
2298: SMALL (LEVEL 0) TACTICAL UAS (STUAL0)	24.201	22.924	11.122	8.192	-	8.192	8.376	8.580	8.734	8.928	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The RQ-21A program will provide persistent maritime and land-based tactical Reconnaissance, Surveillance and Target Acquisition (RSTA) data collection and dissemination capability to the Warfighter. For the United States Marine Corps (USMC), RQ-21A will provide the Marine Expeditionary Force and subordinate commands (divisions and regiments) with a dedicated, organic Intelligence, Surveillance, and Reconnaissance (ISR) capability delivering intelligence products directly to the tactical commander in real time. For the United States Navy (USN) RQ-21A will provide persistent RSTA support for tactical maneuver decisions and unit-level force defense/force protection for Navy Ships, Marine Corps land forces, Navy Expeditionary Combat Command forces, and Navy Special Warfare Units. This is a combined development program between Navy and Marine Corps. This submission is the Marine Corps portion of the program and has been coordinated with the Navy budget submission PE 0305234N Small Tactical Unmanned Aircraft System (STUAS).												
The RQ-21A system will continue to evolve addressing capability shortfalls, new requirements, obsolescence equipment, reliability, maintainability, and safety issues. Additional capabilities and/or system upgrades may include Navy Command and Control integration, Signals Intelligence and Synthetic Aperture Radar payloads, Weapons Integration, Heavy Fuel Engine, Laser Designator and Digital Common Data link. RQ-21A will also continue to expand its shipboard capability across new ship classes.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: RQ-21A: Product Development									17.092	6.200	4.000	
									Articles: 1.000	-	-	
FY 2013 Accomplishments:												
Completed the Engineering Manufacturing and Development efforts for the RQ-21A program. Procured (1) one LRIP System for use in Initial Operational Test and Evaluation (IOT&E). Received Milestone C approval on May 16, 2013.												
FY 2014 Plans:												
RQ-21A will conduct IOT&E. The program will then address correction of deficiencies from IOT&E along with the start of other upgrades to the system to include additional payloads.												
FY 2015 Plans:												
RQ-21A will begin integration efforts on board LHD class ships. Integration of mature payloads will be performed. Prime System Contractor will be responsible for all system upgrades as well as systems engineering, integrated logistics support, and associated												

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Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305239M / (U)RQ-21A	Project (Number/Name) 2298 / SMALL (LEVEL 0) TACTICAL UAS (STUAL0)	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
management activities. Due to the modularity of the system, payload integration efforts will be the responsibility of the contracted party which may include the Prime Contractor, Government Labs, or the payload manufacturer.			
Title: RQ-21A: Engineering and Technical Services	5.832	4.922	4.192
Articles:	-	-	-
FY 2013 Accomplishments: Provided for the Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, and program related travel via NAWC Pax River. Started Initial Operational Test and Evaluation (IOT&E) efforts. Completed Hardware and Software Development on the EMD program. Completed all required documentation for Milestone C decision.			
FY 2014 Plans: Provide support for Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, and program related travel via NAWC Pax River in support of IOT&E, Interim Contractor Support, Full Rate Production Decision, and Follow-on Operational Test and Evaluation.			
FY 2015 Plans: Will provide support for Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, and program related travel via NAWC Pax River in support of upgrades/payloads efforts. RQ-21A will begin Class Ship integration and testing. Integration of mature payloads will be performed.			
Accomplishments/Planned Programs Subtotals	22.924	11.122	8.192

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/0444: NAVY RQ-21A Blackjack	-	-	-	-	-	-	25.936	45.224	73.446	Continuing	Continuing
• APN/0605: NAVY RQ-21A Blackjack	-	-	-	-	-	-	5.100	5.100	-	Continuing	Continuing
• RDTEN/0305234N: NAVY RQ-21A Blackjack	9.204	5.013	4.813	-	4.813	4.992	5.123	5.174	5.287	Continuing	Continuing
• RDTEN/0305242M: STUAS/ RQ-21A UAS Payloads	-	-	2.000	-	2.000	2.000	2.000	2.000	2.000	Continuing	Continuing
• PMC/4737: STUAS/RQ-21A	13.982	66.612	70.565	-	70.565	73.174	74.273	75.460	77.008	Continuing	Continuing

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C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2015</u>	<u>FY 2015</u>	<u>FY 2015</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Complete</u>	<u>Total Cost</u>
• PMC/7000: STUAS/RQ-21A Spares and Repair Parts	-	5.000	5.093	-	5.093	5.198	5.312	5.406	5.517	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The program office has utilized a competitive acquisition approach for award of the Engineering and Manufacturing Development effort to field a capability that meets threshold requirements. LRIP test article will be utilized to successfully complete IOT&E and achieve Initial Operational Capability (IOC) leading to a Full Rate Production decision. The program office will use Sole Source acquisition approach for the remaining RDT&E efforts except for the payloads. The payloads shall be competitively awarded or procured via Government Labs with Insitu, Inc. conducting integration efforts as required.											
E. Performance Metrics											
Attainment of RQ-21A IOC in accordance with approved schedule.											

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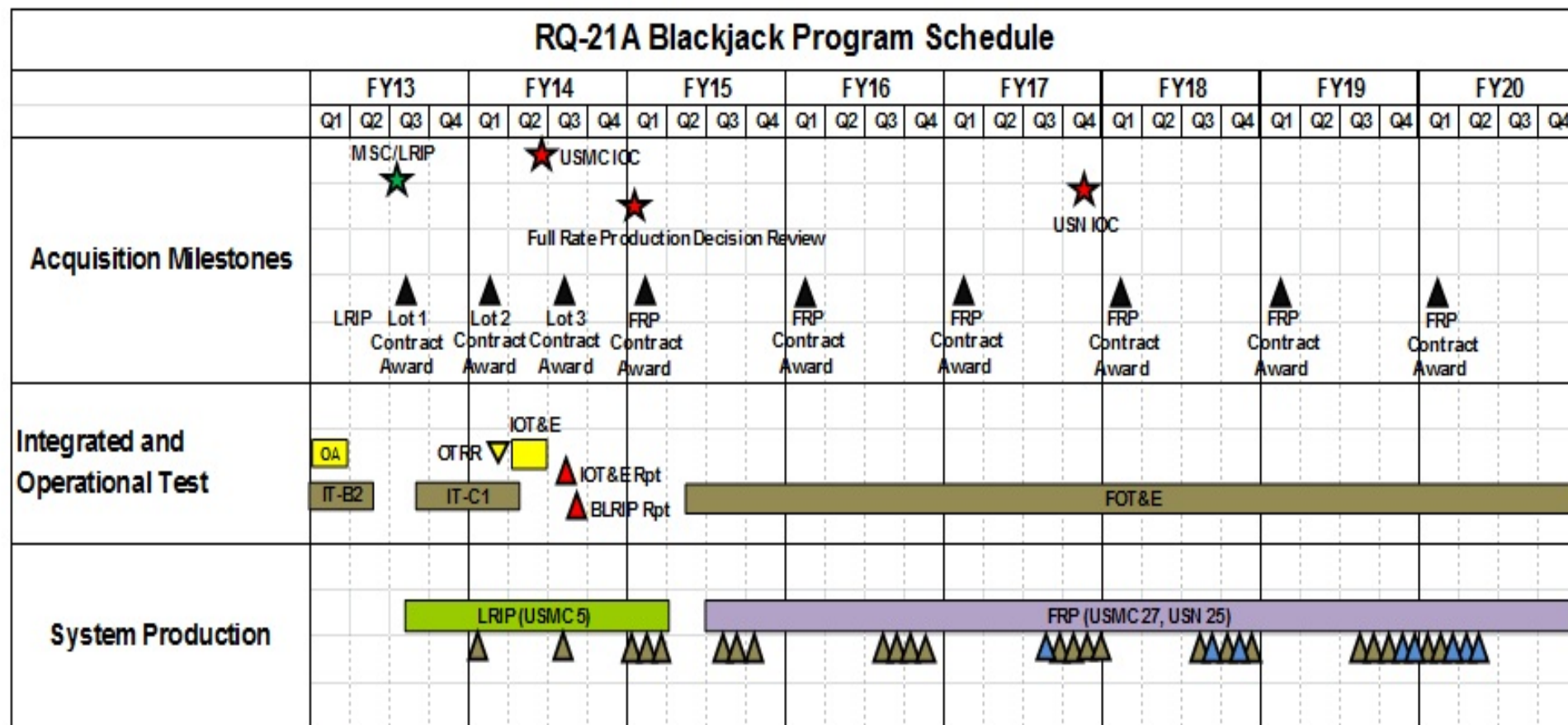
Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy




Date: March 2014

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0305239M / (U)RQ-21A

Project (Number/Name)
2298 / SMALL (LEVEL 0) TACTICAL UAS
(STUAL0)



 Completed Milestone
  Upcoming Milestone
  USMC Delivery
  USN Delivery