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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy	Date: February 2015
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Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305232M / RQ-11 UAV							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	2.125	-	0.718	0.635	-	0.635	0.484	0.489	0.498	0.508	Continuing	Continuing
2292: RQ-11 UAV	2.125	-	0.718	0.635	-	0.635	0.484	0.489	0.498	0.508	Continuing	Continuing

Note

Prior to FY2010 RQ-11 Unmanned Aerial Vehicle (UAV) was funded in PE 0206313M, project C2273.

A. Mission Description and Budget Item Justification

The Small Unit Remote Scouting System (SURSS) acquisition program procures multiple unmanned aircraft systems (UAS) to provide the company/detachment level with scalable airborne reconnaissance and surveillance to aid in detecting, identifying, engaging, or avoiding enemy units. SURSS consists of three UAS platforms the RQ-12A Wasp, RQ-11B Raven, and the RQ-20A Puma.

SURSS is transitioning from 8 channel to a Digital Data Link (DDL), while pursuing Tactical Sensor Network Suite (TSN2) technology. TSN2 technology provides enhanced opportunities to detect irregular and asymmetric threats in a variety of domains, to include urban domains, providing the warfighter with enhanced situational awareness and understanding. In concert with TSN2 technology development, efforts to research and test technologies that improve UAV range, endurance, reliability, and maintainability will be pursued.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	-	0.718	0.638	-	0.638
Current President's Budget	-	0.718	0.635	-	0.635
Total Adjustments	-	-	-0.003	-	-0.003
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.003	-	-0.003

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0305232M / RQ-11 UAV				Project (Number/Name) 2292 / RQ-11 UAV			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
2292: RQ-11 UAV	2.125	-	0.718	0.635	-	0.635	0.484	0.489	0.498	0.508	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Small Unit Remote Scouting System (SURSS) acquisition program procures multiple unmanned aircraft systems (UAS) to provide the company/detachment level with scalable airborne reconnaissance and surveillance to aid in detecting, identifying, engaging, or avoiding enemy units. SURSS currently consists of three UAS platforms the RQ-12A Wasp, RQ-11B Raven, and the RQ-20A Puma.

SURSS is transitioning from 8 channel to a Digital Data Link (DDL), while pursuing Tactical Sensor Network Suite (TSN2) technology. TSN2 technology provides enhanced opportunities to detect irregular and asymmetric threats in a variety of domains, to include urban domains, providing the warfighter with enhanced situational awareness and understanding. In concert with TSN2 technology development, efforts to research and test technologies that improve UAV range, endurance, reliability, and maintainability will be pursued.

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Product Development and Support	-	0.718	0.635	-	0.635
Articles:	-	-	-	-	-
FY 2014 Accomplishments: N/A					
FY 2015 Plans: -Continue TSN2 effort, conduct Reliability, Maintainability, and Availability Analysis on Electric Optical/Infrared gimbal payloads. -Initiate field user evaluation of universal tactical controller dual screen configuration. -Initiate integration of advanced payloads and technologies to include; laser marker, tactical compact communication relay, high endurance batteries, tactical launchers, directional antennas, and sigint payloads					
FY 2016 Base Plans: -Continue field user evaluation of universal tactical controller dual screen configuration. -Continue integration of advanced payloads and technologies to include; laser marker, tactical compact communication relay, high endurance batteries, tactical launchers, directional antennas, and sigint payloads.					
FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	-	0.718	0.635	-	0.635

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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PMC/4757: RQ-11 UAV	4.483	4.477	-	3.430	3.430	-	-	-	-	-	86.623

Remarks

D. Acquisition Strategy

The program office is pursuing a rapid acquisition approach to quickly field new technology and capabilities to the warfighter. The strategy is to use evolutionary acquisition with incremental developments to meet the final desired Small Unit Remote Scouting System (SURSS) requirements (Joint USMC/USA/SOCOM capabilities). The next increment will involve an evolution to a Group 1 (Family of System) individually capable of executing requirements for long, medium and short range missions in fulfillment of the SURSS requirement.

E. Performance Metrics

Fielded joint material solution.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015		
Appropriation/Budget Activity 1319 / 7				R-1 Program Element (Number/Name) PE 0305232M / RQ-11 UAV				Project (Number/Name) 2292 / RQ-11 UAV						

Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Group 1	WR	NSWC : Dahlgren	1.342	-		0.350	Dec 2014	0.635	Dec 2015	-		0.635	Continuing	Continuing	Continuing
Subtotal			1.342	-		0.350		0.635		-		0.635	-	-	-

Remarks
 FY14: N/A
 FY15: Continue TSN2 development and testing.
 FY16: Continue TSN2 development and testing. Begin integration of advanced payloads to include laser marker, tactical compact communications relay, high endurance batteries, tactical launchers, directional antennas, and SIGINT payloads.

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Group 1	Various	NAWCAD : Pax River	0.783	-		0.368	Dec 2014	-		-		-	Continuing	Continuing	Continuing
Subtotal			0.783	-		0.368		-		-		-	-	-	-

Remarks
 FY14: N/A
 FY15: Conduct RMA analysis. Continue TNS2 effort on EO/IR gimbal payloads.
 FY16: N/A

	Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2.125	-		0.718		0.635		-		0.635	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy												Date: February 2015																
Appropriation/Budget Activity 1319 / 7												R-1 Program Element (Number/Name) PE 0305232M / RQ-11 UAV								Project (Number/Name) 2292 / RQ-11 UAV								
Proj 2292	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
					Sustainment																							
					Tactical Robotics Controller																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2292				
Sustainment Efforts	1	2015	4	2020
TNS2 Efforts	1	2015	1	2017