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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army	Date: May 2017
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305232A / RQ-11 UAV							
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	-	0.000	1.613	2.191	-	2.191	0.180	0.172	0.174	0.000	0.000	4.330
RA7: RQ-11 Raven (MIP)	-	0.000	1.613	2.191	-	2.191	0.180	0.172	0.174	0.000	0.000	4.330

A. Mission Description and Budget Item Justification

The Small Unmanned Aircraft System (SUAS) provides the battalion and below ground maneuver elements critical situational awareness and enhance force protection. The system provides the small unit commander an organic and responsive tactical Reconnaissance, Surveillance, and Target Acquisition capability through the ability to view real-time Full Motion Video and sensor data via the system ground control stations. Other compatible receivers, such as the One System Remote Video Terminal and appropriately equipped manned platforms may also receive the SUAS products.

A SUAS includes three hand-launched aircraft that do not require an improved launch/recovery location. In addition to the aircraft, the system contains ground control equipment, which includes an interoperable hand controller. The equipment is fully transportable in or on rucksack type packs that are organic to the unit. SUAS is transitioning to a Capabilities Production Document (CPD) that will utilize existing RQ-11 and RQ-20 in a system of systems fielding concept, with a Short Range Micro (SRM) option under consideration.

Justification: Fiscal Year (FY) 2018 Research, Development, Test, and Evaluation (RDTE) Base funding of \$2.191 million will be utilized for Program Management Engineering support and to meet CPD Increment II Block II related requirements. Specifically, to continue the research and development required to identify and baseline the SRM prototype solution for the Family of Small Unmanned Aircraft Systems effort. Options range from testing non developmental items produced by industry to researching what other government agencies have achieved in quad copter development and technology.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	1.613	1.652	-	1.652
Current President's Budget	0.000	1.613	2.191	-	2.191
Total Adjustments	0.000	0.000	0.539	-	0.539
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	0.000	0.000	0.539	-	0.539

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<u>Change Summary Explanation</u> Increase in funding will primarily be used for Developmental Engineering for the investigation of non-developmental options for Short Range Micro		

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Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0305232A / RQ-11 UAV				Project (Number/Name) RA7 / RQ-11 Raven (MIP)			
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
RA7: RQ-11 Raven (MIP)	-	0.000	1.613	2.191	-	2.191	0.180	0.172	0.174	0.000	0.000	4.330
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

	FY 2016	FY 2017	FY 2018
Title: Program Management Support	-	0.581	0.230
Description: Program Management Support			
FY 2017 Plans: Program Management Support			
FY 2018 Plans: Program Management Support			
Title: Developmental Engineering	-	0.927	1.876
Description: Developmental Engineering			
FY 2017 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)							FY 2016	FY 2017	FY 2018		
Integration of the TOGA controller with an embedded mini Digital Datalink (DDL) radio to allow for mobile operations in support of employment of the SRM. Identify and update the interface control requirements for the TOGA controller as needed for SRM control.											
FY 2018 Plans: Completing the Short Range Micro (SRM) prototype materiel baseline											
Title: System Test and Evaluation							-	0.105	0.085		
Description: System Test and Evaluation											
FY 2017 Plans: Developmental Testing of the software changes in the TOGA Controller											
FY 2018 Plans: Complete the prototype testing of the SRM											
Accomplishments/Planned Programs Subtotals							-	1.613	2.191		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u> <u>Base</u>	<u>FY 2018</u> <u>OCO</u>	<u>FY 2018</u> <u>Total</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RQ-11 (RAVEN) - A00010: RQ-11 (RAVEN) - A00010	-	-	-	-	-	-	-	-	-		
Remarks There is no procurement funding											
D. Acquisition Strategy SUAS Product Office executed a single award best value Indefinite Delivery Indefinite-Quantity (IDIQ) contract utilizing full and open competition. This contract provides affordable access for a fully staffed Technical, Management, Training, and Logistics organization, over a five-year period of performance (three year base period and two, single year options). The Government will make contract award based upon competitive source selection criteria.											
E. Performance Metrics N/A											