Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

2040: Research, Development, Test & Evaluation, Army I BA 7: Operational

PE 0305232A I RQ-11 UAV

Systems Development

COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	3.716	2.320	-	-	-	-	-	-	-	-	6.036
RA7: RQ-11 Raven (MIP)	-	3.716	2.320	-	-	-	-	-	-	-	-	6.036

<sup>&</sup>lt;sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

### 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.

The SUAS RDT&E budget line includes funding for studies and incremental development/upgrade of current SUAS capabilities that will capitalize on new technology insertions based on identified user requirements. Past improvements include a Digital Data Link capability, introduced in 2010, which provides data link relay capability, and integrated gimbaled payloads. Future enhancements will follow the natural progression of technology and exploitation of improved payloads to meet Warfighter needs. Improved system enhancements will support Army modernization initiatives and the service emphasis on Squad-Foundation of the Decisive Force. Development of a government purpose rights control device compatible with current and future SUAS platforms and integrated into tactical networks is required. Compatibility for SUAS with Net Warrior elements will support seamless transmission of data between squad members and adjacent and higher commands. A communications relay capability for SUAS will extend the operational connectivity of the squad when ground based communications cannot support the ranges due to terrain or atmospherics. The relay capability supports the Aerial Layer Network Transport Initial Capabilities Document for low altitude requirements. Development of a sensor to shooter capability will link forward edge combatants to organic and supporting fires networks with rapid dissemination of target information and imagery. Efforts to reduce the workload required to operate the SUAS will free the soldiers to perform their primary mission while retaining the advantages afforded by the SUAS. Improved autonomy, to include GPS and comms denied environments will be sought through leverage of software, processor, and communications enhancements.

Justification: No Funding is requested in FY2015.

PE 0305232A: RQ-11 UAV

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army

Appropriation/Budget Activity

2040: Research, Development, Test & Evaluation, Army I BA 7: Operational

R-1 Program Element (Number/Name)
PE 0305232A I RQ-11 UAV

Systems Development

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	4.039	2.321	3.335	-	3.335
Current President's Budget	3.716	2.320	-	-	-
Total Adjustments	-0.323	-0.001	-3.335	-	-3.335
<ul> <li>Congressional General Reductions</li> </ul>	-0.323	-0.001			
<ul> <li>Congressional Directed Reductions</li> </ul>	-	-			
<ul> <li>Congressional Rescissions</li> </ul>	-	-			
<ul> <li>Congressional Adds</li> </ul>	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
<ul> <li>Reprogrammings</li> </ul>	-	-			
SBIR/STTR Transfer	-	-			
<ul> <li>Adjustments to Budget Years</li> </ul>	-	-	-3.335	-	-3.335

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2015 A	rmy							Date: Mare	ch 2014	
Appropriation/Budget Activity 2040 / 7		_	am Elemen 32A / RQ-11	•	Name)	, ,	umber/Nar 11 Raven (l	,				
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
RA7: RQ-11 Raven (MIP)	-	3.716	2.320	-	-	-	-	-	-	-	-	6.036
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

<sup>\*</sup>The FY 2015 OCO Request will be submitted at a later date.

### 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.

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Justification: No Funding is requested in FY2015.

The FY2015 funding reduction was the result of a reprioritization of Army requirements within the constraints of the Bipartisan Budget Act of FY2013.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Base: Program Management Support	0.731	0.751	-
Articles:	-	-	-

PE 0305232A: RQ-11 UAV

			UNCLAS	SIFIED								
tification: PB	2015 Army	,		,				Date: N	larch 2014			
						er/Name)	Project (Number/Name) RA7 / RQ-11 Raven (MIP)					
ograms (\$ in N	Millions, Art	ticle Quantit	ties in Each	)				FY 2013	FY 2014	FY 2015		
nt Support												
ort												
ort												
Studies and D	evelopment					A	Articles:	2.910 -	1.469 -	-		
vement Studie	s and Devel	opment										
es and Develor	oment											
es and Develor	oment											
						A	Articles:	0.075 -	0.100	-		
luation												
			Accon	nplishment	s/Planned F	Programs Su	ıbtotals	3.716	2.320	-		
nary (\$ in Milli	ons)	FY 2015	FY 2015	FY 2015					Cost To	<u>1</u>		
<b>FY 2013</b> 25.798	<b>FY 2014</b> 10.372	<u>Base</u> 3.964	<u>OCO</u> -	<u>Total</u> 3.964	FY 2016 -	FY 2017 -	<u>FY 201</u>		•			
	ograms (\$ in Manual Support  oort Studies and Developes and Developes and Developed Studies  ary (\$ in Milli  FY 2013	nt Support  oort  Studies and Development  es and Development  es and Development  duation  ary (\$ in Millions)  FY 2013 FY 2014	pograms (\$ in Millions, Article Quantition of Support  Fort  Studies and Development  Studies an	R-1 Pi PE 03  Degrams (\$ in Millions, Article Quantities in Each int Support  Port  Studies and Development  Es and Development  Accompany (\$ in Millions)  FY 2015 FY 2015  FY 2013 FY 2014  Base  OCO	R-1 Program Eler PE 0305232A / RO  ograms (\$ in Millions, Article Quantities in Each)  oort  oort  Studies and Development  es and Development  es and Development  duation  Accomplishments  nary (\$ in Millions)  FY 2015 FY 2015 FY 2015 FY 2013 FY 2014 Base OCO Total	R-1 Program Element (Number De 0305232A / RQ-11 UAV Degrams (\$ in Millions, Article Quantities in Each)  Int Support  Fort  Studies and Development  Ses and Development  Ses and Development  Accomplishments/Planned Fundry (\$ in Millions)  FY 2015 FY 2015 FY 2015  FY 2013 FY 2014 Base OCO Total FY 2016	R-1 Program Element (Number/Name) PE 0305232A / RQ-11 UAV  ograms (\$ in Millions, Article Quantities in Each)  oort  oort Studies and Development  es and Development  as and Development  as and Development  Accomplishments/Planned Programs Sumary (\$ in Millions)  FY 2015 FY 2015 FY 2015 FY 2015 FY 2015 FY 2016 FY 2017	R-1 Program Element (Number/Name) Project PE 0305232A / RQ-11 UAV  Project RA7 / Votations (\$ in Millions, Article Quantities in Each)  Project RA7 / Votations (\$ in Millions, Article Quantities in Each)  Project RA7 / Votations (\$ in Millions, Article Quantities in Each)  Project RA7 / Votations (\$ in Millions, Article Quantities in Each)  Project RA7 / Votations (\$ in Millions, Article Quantities in Each)  Articles:  Articles:  Articles:  Articles:  Articles:  Accomplishments/Planned Programs Subtotals  Pry 2015 Fy 2015 Fy 2015 Fy 2015 Fy 2015 Fy 2017 Fy 201	R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2013  FY 2013  FY 2014  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2013  FY 2013  FY 2013  FY 2014  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2013  FY 2013  FY 2014  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2013  FY 2014  R-1 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2014  R-2 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2014  R-2 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2014  R-2 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2014  R-2 Program Element (Number/Name) Project (Number/RA7 / RQ-11 Rave)  FY 2013  FY 2014  R-2 Program Element (Number/Name) Project (Number/Rave)  FY 2013  FY 2015  FY 2015  FY 2015  FY 2015  FY 2015  FY 2015  FY 2016  FY 2016  FY 2017  FY 2017  FY 2018  FY 2018  FY 2016	R-1 Program Element (Number/Name)   Project (Number/Name)   PRO 305232A / RQ-11 UAV   PRO 305232A / RQ-11 UAV   RA7 / RQ-11 Raven (MIP)		

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Army

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)		
2040 / 7	PE 0305232A / RQ-11 UAV	RA7 <i>I RQ-</i>	11 Raven (MIP)		

## D. Acquisition Strategy

SUAS Product Office executed a single award best value 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

Ν	I/A	

PE 0305232A: *RQ-11 UAV* 

					UN	ICLASS	SIFIED								
Exhibit R-3, RDT&E I	Project C	ost Analysis: PB 2	2015 Army	/								Date:	March 20	14	
<b>Appropriation/Budge</b> 2040 / 7	et Activity	y			ogram Ele 5232A / F		lumber/N		Project (Number/Name) RA7 / RQ-11 Raven (MIP)						
Management Service	es (\$ in M	lillions)		FY 2	2013	FY 2	2014		2015 ase		2015 CO	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 o Contrac
Program Management Personnel	RO	PM UAS : PM UAS	0.259	0.731		0.751		-		-		-	-	1.741	-
		Subtotal	0.259	0.731		0.751		-		-		-	-	1.741	-
Product Development (\$ in Millions)			FY 2	2013	FY 2	2014	FY 2015 Base			2015 CO	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 Contrac
Product Improvements Studies and Development	C/IDIQ	AMRDEC, Redstone Arsenal, AL : AMRDEC, Redstone Arsenal, AL	2.823	2.910	Apr 2014	-		-		-		-	-	5.733	-
Product Improvement Studies and Development	C/IDIQ	TBD : TBD	0.000	-		1.469	Jun 2014	-		-		-	-	1.469	-
		Subtotal	2.823	2.910		1.469		-		-		-	-	7.202	-
Remarks FY2014 funds will support Support (\$ in Millions	•	itive IDIQ Engineering S	ervices Con		tractor, to be	e determine			2015 ase		2015 CO	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 o Contrac
Other Government Agencies	MIPR	Various : Various	0.000	-		-		-		-		-	-	-	-
		Subtotal	0.000	-		-		-		-		-	-	-	-
Test and Evaluation	(\$ in Milli	ions)		FY 2	2013	FY 2	2014		2015 ase		2015 CO	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 Contrac
Test and Evaluation	MIPR	Various : Various	0.400	0.075		0.100		-		-		-	-	0.575	-

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Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2015 Army	′								Date:	March 20	14		
Appropriation/Budg 2040 / 7			o <b>gram El</b> o 5232A <i>I F</i>	•	Number/N 4V	ame)		ect (Number/Name) I RQ-11 Raven (MIP)								
Test and Evaluation	st and Evaluation (\$ in Millions)					FY 2	2014	1	2015 ase		2015 CO	FY 2015 Total		Total Value o Contract		
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 Value o	Target Value of Contract	
		Subtotal	0.400	0.075		0.100		-		-		-	-	Total Cost 0.575	-	
		Subtotal 0		FY 2	2013	FY 2	FY 2014		FY 2015 Base		2015 CO	FY 2015 Total			Target Value of Contract	
		Project Cost Totals	3.482	3.716		2.320		-		-		FY 2015 Cost To To Total Complete Co	9.518	-		

Remarks

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R-1 Line #190