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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 United States Special Operations Command **Date:** February 2015

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1160279BB <i>I Small Business Innovative Research</i>
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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	162.487	10.446	-	-	-	-	-	-	-	-	Continuing	Continuing
S050: <i>Small Business Innovative Research</i>	162.487	9.147	-	-	-	-	-	-	-	-	Continuing	Continuing
S051: <i>Small Business Technology Transfer</i>	0.000	1.299	-	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element consists of a highly competitive three-phase award system that provides qualified small business concerns with the opportunity to propose high quality innovative ideas that meet specific research and development needs of USSOCOM. Small Business Innovative Research (SBIR) is a result of the Small Business Development Act of 1992. It was enacted by Congress in Public Law 97-219, reenacted by Public Law 99-443, and reauthorized by the SBIR Program Reauthorization Act of 2012. Starting in FY 1994, the SBIR program was refocused toward dual use and defense reinvestment efforts. Phase I projects evaluate the scientific technical merit and feasibility of an idea. Phase II projects expand the results of, and further pursue, the developments of Phase I. Phase III is for commercialization of the results of Phase II and requires the use of private or non-SBIR federal funding. USSOCOM participates annually in the DoD Request for Proposal process. USSOCOM then awards its proposed SBIR projects. FY 2014 is the first year USSOCOM is participating in the Small Business Technology Transfer (STTR) program. The STTR goal is similar to the SBIR program, but the STTR program has the additional goal to expand public/private sector partnerships between small business and nonprofit U.S. research institutions.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	10.446	-	-	-	-
Current President's Budget	10.446	-	-	-	-
Total Adjustments	-	-	-	-	-
• Congressional General Reductions	-	-	-	-	-
• Congressional Directed Reductions	-	-	-	-	-
• Congressional Rescissions	-	-	-	-	-
• Congressional Adds	-	-	-	-	-
• Congressional Directed Transfers	-	-	-	-	-
• Reprogrammings	-	-	-	-	-
• SBIR/STTR Transfer	-	-	-	-	-

Change Summary Explanation

Funding:

FY 2014: None.

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Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 1160279BB / Small Business Innovative Research	
<div>FY 2015: None.</div> <div>FY 2016: None.</div> <div>Schedule: None.</div> <div>Technical: None.</div>		

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Exhibit R-2A, RDT&E Project Justification: PB 2016 United States Special Operations Command										Date: February 2015		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160279BB / <i>Small Business Innovative Research</i>				Project (Number/Name) S050 / <i>Small Business Innovative Research</i>			
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
S050: <i>Small Business Innovative Research</i>	162.487	9.147	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification <p>This project consists of a highly competitive three-phase award system that provides qualified small business concerns with the opportunity to propose high quality innovative ideas that meet specific research and development needs of USSOCOM. Small Business Innovative Research (SBIR) is a result of the Small Business Development Act of 1992. It was enacted by Congress in Public Law 97-219, reenacted by Public Law 99-443, and reauthorized by the SBIR Program Reauthorization Act of 2012. Starting in FY 1994, the SBIR program was refocused toward dual use and defense reinvestment efforts. Phase I projects evaluate the scientific technical merit and feasibility of an idea. Phase II projects expand the results of, and further pursue, the developments of Phase I. Phase III is for commercialization of the results of Phase II and requires the use of private or non-SBIR federal funding. USSOCOM participates annually in the DoD Request for Proposal process. USSOCOM then awards its proposed SBIR projects.</p>												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Small Business Innovative Research (SBIR)									9.147	-	-	
FY 2014 Accomplishments: Awarded numerous Phase I and Phase II contracts and contract options for SBIR topics: Dual Speed Read Out Integrated Circuit; Advanced Opaque Armor; Abrasion, Laceration and Puncture Protection; and High Performance Marine Diesel.												
Accomplishments/Planned Programs Subtotals									9.147	-	-	
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 United States Special Operations Command													Date: February 2015		
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 1160279BB / Small Business Innovative Research						Project (Number/Name) S050 / Small Business Innovative Research			
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
Advanced Opaque Armor	C/FFP	Various : Various	-	0.570	Oct 2014	-		-		-		-	-	0.570	-
Dual Speed Read Out Integrated Circuit (IC) (ROIC)	C/CPFF	NU TREK : San Diego, CA	-	0.906	Jul 2014	-		-		-		-	-	0.906	-
Abrasion, Laceration and Puncture Protection	C/CPFF	Nanosonic : Pembroke, VA	-	0.250	Sep 2014	-		-		-		-	-	0.250	-
High Performance Marine Diesel	C/FFP	Various : Various	-	0.448	Nov 2014	-		-		-		-	-	0.448	-
Phase II >\$750K	C/CPFF	Various : Various	-	6.973	Feb 2015	-		-		-		-	-	6.973	-
Prior Year Funding	C/Various	Various : Various	162.487	-		-		-		-		-	-	162.487	-
Subtotal			162.487	9.147		-		-		-		-	-	171.634	-
Project Cost Totals			162.487	9.147		-		-		-		-	-	171.634	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 United States Special Operations Command	Date: February 2015
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / <i>Small Business Innovative Research</i>	Project (Number/Name) S050 / <i>Small Business Innovative Research</i>
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	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SBIR Projects																												
Advanced Opaque Armor																												
Dual Speed Read Out IC (ROIC)																												
Abrasion, Laceration and Puncture Protection																												
High Performance Marine Diesel																												
Phase II >\$750K																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 United States Special Operations Command			Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / <i>Small Business Innovative Research</i>	Project (Number/Name) S050 / <i>Small Business Innovative Research</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>SBIR Projects</i>				
Advanced Opaque Armor	1	2015	4	2015
Dual Speed Read Out IC (ROIC)	4	2014	4	2015
Abrasion, Laceration and Puncture Protection	4	2014	4	2015
High Performance Marine Diesel	1	2015	1	2016
Phase II >\$750K	2	2015	2	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2016 United States Special Operations Command										Date: February 2015		
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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
S051: <i>Small Business Technology Transfer</i>	-	1.299	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
 Small Business Technology Transfer (STTR) goal is the expand public/private sector partnerships between small business and nonprofit U.S. research institutions.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
Title: Small Business Technology Transfer (STTR)	1.299	-	-
FY 2014 Accomplishments: Awarded Tactical Assault Light Operator Suit (TALOS) Power Source-Rotary Engine Size, Weight, and Power contract and various small STTR efforts <\$1M.			
Accomplishments/Planned Programs Subtotals	1.299	-	-

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

Remarks

D. Acquisition Strategy
 N/A

E. Performance Metrics
 N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 United States Special Operations Command													Date: February 2015		
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 1160279BB / <i>Small Business Innovative Research</i>				Project (Number/Name) S051 / <i>Small Business Technology Transfer</i>					

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
Tactical Assault Light Operator Arm Reaction/ Manipulation System Development	C/FFP	Materials & Electrochemical Research : Tucson, AZ	-	1.110	Sep 2014	-		-		-		-	-	-	-
STTR < \$1M	C/FFP	Various : Various	-	0.189	Mar 2015	-		-		-		-	-	-	-
Subtotal			-	1.299		-		-		-		-	-	-	-

	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	-	1.299	-	-	-	-	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 United States Special Operations Command			Date: February 2015
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	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
STTR Projects																												
Award Tactical Assault Light Operator Arm Reaction/Manipulation System contact																												
STTR <\$1M																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 United States Special Operations Command			Date: February 2015
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
STTR Projects				
Award Tactical Assault Light Operator Arm Reaction/Manipulation System contact	4	2014	4	2015
STTR <\$1M	2	2015	2	2016