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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force										Date: February 2018		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305146F I Defense Joint Counterintelligence Activities							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.339	3.867	3.845	0.000	3.845	3.852	3.858	3.868	3.938	Continuing	Continuing
671931: TECH SURVEIL COUNTER MEAS EQPT	-	0.339	3.867	3.845	0.000	3.845	3.852	3.858	3.868	3.938	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Technical Surveillance Countermeasures (TSCM) develops future technologies capable of thwarting advanced, hostile force technical capabilities. The technologies will provide secure environments for austere mission planning locations and theater commander centers, and will collect information for counterthreat operations in support of DoD and AF requirements.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
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B. Program Change Summary (\$ in Millions)				FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total				
Previous President's Budget				0.339	3.867	3.873	0.000	3.873				
Current President's Budget				0.339	3.867	3.845	0.000	3.845				
Total Adjustments				0.000	0.000	-0.028	0.000	-0.028				
• Congressional General Reductions				0.000	0.000							
• Congressional Directed Reductions				0.000	0.000							
• Congressional Rescissions				0.000	0.000							
• Congressional Adds				0.000	0.000							
• Congressional Directed Transfers				0.000	0.000							
• Reprogrammings				0.000	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	-0.028	0.000	-0.028				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
Title: Technical Surveillance Countermeasures (TSCM)									0.339	0.367	0.371	

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<b>Description:</b> TSCM will develop future technologies capable of thwarting advanced, hostile force technical capabilities. They will be developed to provide secure environments to austere mission planning locations, theater commander centers, and will collect information for counterthreat operations in support of DoD and AF requirements.  <b>FY 2018 Plans:</b> These funds support the advancement of BLUE LANCER, a suite of specialized law enforcement and counterintelligence restricted tools needed to exploit digital media storage and mobile audio/visual/data communications for the collection of evidence against a wide variety of serious offenses. Remaining funds used to develop next generation Technical Surveillance Countermeasures (TSCM) to defend against emerging foreign technical intelligence capabilities targeting sensitive protected information for exploitation.  <b>FY 2019 Plans:</b> Continue advancement of BLUE LANCER for the collection/exploitation of evidence against a wide variety of serious offenses. Funds will also be used to develop next generation Technical Surveillance Countermeasures (TSCM) tools to defend against emerging foreign technical intelligence capabilities targeting sensitive protected information for exploitation.  <b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Decreased for small mark.				
<b>Title:</b> Counterintelligence Pilot  <b>Description:</b> N/A  <b>FY 2018 Plans:</b> These funds support the continued development of COPPER CASTLE, a suite of specialized counterintelligence cyber tools needed to exploit cyber threats targeting sensitive protected information. Remaining funds used to develop next generation cyber counterintelligence tools to defend against emerging foreign technical intelligence capabilities targeting sensitive protected information for exploitation.  <b>FY 2019 Plans:</b> Continue R&D for new iterations of COPPER CASTLE; addressing advancements in Cyber counterintelligence domain, as leveraged by foreign intelligence entities targeting sensitive protected information for exploitation.  <b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Increased for anticipated inflation.		-	3.500	3.474
<b>Accomplishments/Planned Programs Subtotals</b>		0.339	3.867	3.845

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<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• O&M 35146F: <i>Defense Joint Counterintelligence Program</i>	37,644.000	46,411.000	47,603.000	-	47,603.000	48,728.000	50,060.000	51,466.000	52,494.000	Continuing	Continuing
<b>Remarks</b>											
<b>E. Acquisition Strategy</b> Defense Joint Counterintelligence Program TSCM funds will be obligated on competitively awarded contracts. Cyber counterintelligence funding will be obligated on an existing Air Force contract with MIT/Lincoln Labs.											
<b>F. Performance Metrics</b> Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2019 Air Force												<b>Date:</b> February 2018			
<b>Appropriation/Budget Activity</b> 3600 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0305146F / <i>Defense Joint Counterintelligence Activities</i>				<b>Project (Number/Name)</b> 671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i>					

  

Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Naval Research Lab	MIPR	Navy/Air Force : Williamsburg, VA	-	0.339	Dec 2017	0.367	Dec 2018	0.371	Dec 2019	0.000		0.371	Continuing	Continuing	-
MIT/Lincoln Labs	RO	Air Force : Lexington, MA	-	0.000		3.500	Mar 2018	3.474	Mar 2019	0.000		3.474	Continuing	Continuing	-
<b>Subtotal</b>			-	0.339		3.867		3.845		0.000		3.845	Continuing	Continuing	N/A

  

	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	-	0.339	3.867	3.845	0.000	3.845	Continuing	Continuing	N/A

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force			Date: February 2018		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0305146F / Defense Joint Counterintelligence Activities			Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
Copper Castle																												
Counterintelligence Equipment and Software																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force		Date: February 2018
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305146F / Defense Joint Counterintelligence Activities	Project (Number/Name) 671931 / TECH SURVEIL COUNTER MEAS EQPT

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Copper Castle				
Counterintelligence Equipment and Software	1	2017	4	2023