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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305146F / <i>Defense Joint Counterintelligence Activities</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	3.845	6.858	4.890	0.000	4.890	6.862	6.868	6.859	6.202	Continuing	Continuing
671931: <i>TECH SURVEIL COUNTER MEAS EQPT</i>	-	3.845	6.858	4.890	0.000	4.890	6.862	6.868	6.859	6.202	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 CI operations in support of DoD and AF requirements.

Cyber CI enables the Air Force Office of Special Investigations to detect and deter covert activities conducted by Foreign Intelligence Entities seeking to compromise classified or sensitive information in cyberspace. The technologies provided will provide state of the art capabilities to detect and neutralize criminal activities targeted against sensitive and classified AF and DoD information and activities.

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.

B. Program Change Summary (\$ in Millions)	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	3.845	6.858	6.864	0.000	6.864
Current President's Budget	3.845	6.858	4.890	0.000	4.890
Total Adjustments	0.000	0.000	-1.974	0.000	-1.974
• 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	-1.974	0.000	-1.974

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

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
Title: Technical Surveillance Countermeasures (TSCM)	0.371	0.378	0.382

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>Description: 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.</p> <p>FY 2020 Plans: 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.</p> <p>FY 2021 Plans: Continue advancement of BLUE LANCER</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Increase program support.</p>			
<p>Title: Cyber Counterintelligence Pilot</p> <p>Description: N/A</p> <p>FY 2020 Plans: Continue R&D for new iterations of Cyber CI/COPPER CASTLE to address advancements in cyber domain, in order to neutralize foreign intelligence entities from stealing and exploiting sensitive DoD information.</p> <p>FY 2021 Plans: Continue R&D for new iterations for Cyber CI/COPER CASTLE</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Continue R&D for new iterations for Cyber CI/COPER CASTLE</p>	3.474	6.480	4.508
Accomplishments/Planned Programs Subtotals	3.845	6.858	4.890

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
• O&M 35146F: <i>Defense Joint Counterintelligence Program</i>	45,925.000	57,429.000	61,430.000	-	61,430.000	64,082.000	66,005.000	67,312.000	-	Continuing	Continuing

Remarks

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E. Acquisition Strategy
Defense Joint Counterintelligence Program TSCM funds will be obligated on competitively awarded contracts. Cyber counterintelligence (CI) funding will be obligated on an existing Air Force contract with MIT/Lincoln Labs.

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305146F / <i>Defense Joint Counterintelligence Activities</i>	Project (Number/Name) 671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i>

	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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

<i>Develop Cyber CI/Copper Castle</i>																												
Develop Counterintelligence Equipment and Software																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305146F / <i>Defense Joint Counterintelligence Activities</i>	Project (Number/Name) 671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Develop Cyber CI/Copper Castle</i>				
Develop Counterintelligence Equipment and Software	1	2019	4	2025