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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2019 Air Force **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>
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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	-	32.618	66.370	20.676	0.000	20.676	29.037	27.588	23.454	23.897	Continuing	Continuing
65A001: <i>Counter Satellite Communications System</i>	-	26.416	57.432	11.688	0.000	11.688	19.808	18.227	13.894	14.162	Continuing	Continuing
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	3.832	7.052	7.081	0.000	7.081	7.282	7.376	7.529	7.667	Continuing	Continuing
65A013: <i>BOUNTY HUNTER</i>	-	2.370	1.886	1.907	0.000	1.907	1.947	1.985	2.031	2.068	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Acquisition Decision Memorandum (24 April 2009) directed all capabilities identified in the 4 October 2006 CCS Block 20, Joint Requirements Oversight Council (JROC) approved Capability Development Document (CDD) shall be accomplished as a Pre-planned Product Improvement Program (P3I) upgrades to the Counter Communications System (CCS) Block 10. On 11 April 2016, AFSPC A5/A8/A9 signed and updated ADM adding additional responsibility for CCS B10.3.

CCS provides expeditionary, deployable, reversible offensive space control (OCS) effects applicable across the full spectrum of conflict. It prevents adversary Satellite Communications (SATCOM) in Area of Responsibility (AOR) including Command & Control (C2), Early Warning and Propaganda, and hosts Rapid Reaction Capabilities in response to Urgent Needs. This program effort includes architecture engineering and studies, system hardware design and development, software design and integration, and testing and demonstration of capabilities to provide disruption of satellite communications signals.

The current and future space domain demands that space systems be responsive to new and changing threats, and can rapidly integrate new capabilities to make our warfighting force more resilient in a contested battlespace. This agility, survivability, and rapid reconstitution must extend through the entire space warfighting enterprise, to include how we learn about the threat; develop solutions; acquire, test, deploy, train, operate and integrate new systems into the greater system of systems; and ensure our space mission force is ready to defeat a thinking adversary in a complex, multi-domain battlespace. The enterprise will use all of its elements to accelerate decision-making, prototype potential solutions, rapidly integrate decision-making tools and sustain a war-winning capability by delivering multi-domain effects in, from, and through space and cyberspace enabling battle management and resilience options to "fight through."

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Counterspace weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 1206392F and 1206398F.

The FY 2019 funding requested was reduced by \$9.271 million to account for the availability of prior year execution balances.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2019 Air Force	<b>Date:</b> February 2018
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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
Previous President's Budget	34.819	66.370	24.946	0.000	24.946
Current President's Budget	32.618	66.370	20.676	0.000	20.676
Total Adjustments	-2.201	0.000	-4.270	0.000	-4.270
• 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	-2.201	0.000	-4.270	0.000	-4.270

**Change Summary Explanation**

FY 2017: \$2.201 decrease for higher Air Force priorities.  
 FY 2019: \$4.27M decrease for higher Air Force priorities.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Air Force										<b>Date:</b> February 2018		
<b>Appropriation/Budget Activity</b> 3600 / 5					<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>				<b>Project (Number/Name)</b> 65A001 / <i>Counter Satellite Communications System</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</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>
65A001: <i>Counter Satellite Communications System</i>	-	26.416	57.432	11.688	0.000	11.688	19.808	18.227	13.894	14.162	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Acquisition Decision Memorandum (24 April 2009) directed all capabilities identified in the 4 October 2006 CCS Block 20, Joint Requirements Oversight Council (JROC) approved Capability Development Document (CDD) shall be accomplished as a Pre-planned Product Improvement Program (P3I) upgrades to the Counter Communications System (CCS) Block 10. On 11 April 2016, AFSPC A5/A8/A9 signed and updated ADM adding additional responsibility for CCS B10.3.

CCS provides expeditionary, deployable, reversible offensive space control (OCS) effects applicable across the full spectrum of conflict. It prevents adversary Satellite Communications (SATCOM) in Area of Responsibility (AOR) including Command & Control (C2), Early Warning and Propaganda, and hosts Rapid Reaction Capabilities in response to Urgent Needs. This program effort includes architecture engineering and studies, system hardware design and development, software design and integration, and testing and demonstration of capabilities to provide disruption of satellite communications signals.

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

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
<b>Title:</b> Counter Communications System (CCS) Pre-planned Product Improvement (P3I) Program	26.416	57.432	11.688	0.000	11.688
<b>Description:</b> Develop, integrate, test and field the CCS P3I program. This is an incremental approach to deliver Block 20 CCS capabilities.					
<b>FY 2018 Plans:</b> Continue development, integration and testing of Increment 2 of Block 10 P3I program (CCS B10.2). Include additional CCS B20 CDD capabilities in CCS B 10.2, design mission techniques, and mission specific emulators. Continue program office support and other related support activities that may include, but not limited to studies, technical analysis, etc.					
<b>FY 2019 Base Plans:</b> Begin development, integration and testing of increment 3 of Block 10 P3I program (CCS B10.3). Include additional CCS B20 CDD capabilities in CCS B10.3, design Forward Garrison systems, mission techniques, mission specific emulators, and multi-range integration. Begin development planning and risk reduction activities for next generation Electronic Warfare capabilities. Rapidly respond to implement system resiliency and					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A001 / <i>Counter Satellite Communications System</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to program office support, studies, technical analysis, prototyping, etc.					
<b><i>FY 2019 OCO Plans:</i></b> N/A					
<b><i>FY 2018 to FY 2019 Increase/Decrease Statement:</i></b> FY 2019 decreased compared to FY 2018 by \$45.744M. Justification for this decrease is described in plans above.					
<b>Accomplishments/Planned Programs Subtotals</b>	26.416	57.432	11.688	0.000	11.688

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019 Base</u>	<u>FY 2019 OCO</u>	<u>FY 2019 Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• SPAF 01 Line Item CTRSPC: <i>Counterspace Systems</i>	46.884	22.737	0.000	-	0.000	0.000	0.000	0.000	-	0.000	69.621

**Remarks**

**D. Acquisition Strategy**

All contracts in this program element will be awarded using competitive procedures to the maximum extent possible, to upgrade existing capabilities as well as to acquire next generation capabilities through incremental acquisitions.

**E. Performance Metrics**

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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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force** **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A001 / <i>Counter Satellite Communications System</i>
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<b>Product Development (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of 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			
Block 10 P3I Development	Various	Various : El Segundo, CA	-	19.198	Feb 2017	48.643	Feb 2018	5.500	Nov 2018	-		5.500	Continuing	Continuing	-
Technical Mission Analysis	RO	Aerospace Corp : El Segundo, CA	-	0.694	Oct 2016	0.706	Oct 2017	0.723	Oct 2018	-		0.723	Continuing	Continuing	11.144
Enterprise Systems Engineering and Integration	C/FFP	AT&T : El Segundo, CA	-	0.356	May 2017	0.356	May 2018	0.199	May 2019	-		0.199	Continuing	Continuing	-
<b>Subtotal</b>			-	20.248		49.705		6.422		-		6.422	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of 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			
Security	C/CPAF	Mantech : El Segundo, CA	-	2.101	Nov 2016	2.138	Nov 2017	2.177	Nov 2018	-		2.177	Continuing	Continuing	-
Miscellaneous Support Services	Various	Various : TBD	-	0.006	Nov 2016	0.007	Nov 2017	0.007	Nov 2018	-		0.007	Continuing	Continuing	-
<b>Subtotal</b>			-	2.107		2.145		2.184		-		2.184	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of 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			
FFRDC	RO	Aerospace Corp : El Segundo, CA	-	0.719	Oct 2016	0.732	Oct 2017	1.067	Oct 2018	-		1.067	Continuing	Continuing	-
A&AS	Various	Various : El Segundo, CA	-	3.229	May 2017	4.748	May 2018	1.928	May 2019	-		1.928	Continuing	Continuing	-
Other Support	Various	Various : El Segundo, CA	-	0.113	Oct 2016	0.102	Oct 2017	0.087	Oct 2018	-		0.087	Continuing	Continuing	-
<b>Subtotal</b>			-	4.061		5.582		3.082		-		3.082	Continuing	Continuing	N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A001 / <i>Counter Satellite Communications System</i>

	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

<b>No project title.</b>																												
10.2 System Verification Review (SVR)	■																											
10.2 Development Test/Operational Test (DT/OT)		■																										
10.2 System Delivery: #1-2		■																										
10.2 System Deliveries : #3-16																												
10.3 Authority To Proceed (ATP)																												
10.3 System Deliveries # 1-4																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A001 / <i>Counter Satellite Communications System</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>No project title.</i></b>				
10.2 System Verification Review (SVR)	1	2017	1	2017
10.2 Development Test/Operational Test (DT/OT)	2	2017	2	2017
10.2 System Delivery: #1-2	2	2017	2	2017
10.2 System Deliveries : #3-16	3	2018	4	2020
10.3 Authority To Proceed (ATP)	1	2020	1	2020
10.3 System Deliveries # 1-4	4	2021	4	2021

**Note**

For CCS B10.2, 14 systems delivered plus 2 trainers.



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**Exhibit R-2A, RDT&E Project Justification:** PB 2019 Air Force **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / Counterspace Systems	<b>Project (Number/Name)</b> 65A005 / Offensive Counterspace (OCS) C2
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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
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	3.832	7.052	7.081	0.000	7.081	7.282	7.376	7.529	7.667	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This effort supports the evolution of command and control (C2) and mission planning capabilities in support of the fielding and employment of Counterspace Systems. It provides for the integration and upgrade of collaborative tools to link deployable counterspace systems with Joint Warfighting C2 systems and to enable integrated planning and execution of the counterspace mission. Upgraded capabilities will be integrated into current and future command and control systems. This program will leverage the Joint Execution and Tasking System for Space (JETSS) effort in C2 for future space control and counterspace mission capabilities. Requirements for this program are derived from AFSPC prioritized AF IMT 1067 IAW AFSPCI 63-104.

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

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
<b>Title:</b> Joint Execution and Tasking System for Space (JETSS)	3.832	7.052	7.081	-	7.081
<b>Description:</b> Evolve with upgrades the counterspace mission planning and C2 capability to support counterspace systems space control warfighter activities.					
<b>FY 2018 Plans:</b> Continue Spiral 5 development. Begin upgrades to the JETSS Graphic User Interface (GUI), develop a more robust security architecture to support multiple security classification levels. Continue program office and other related support activities that may include, but are not limited to studies, technical analysis, etc.					
<b>FY 2019 Base Plans:</b> Continue Spiral 5 development of security architecture and higher protection level to support multiple classification levels and risk reduction efforts to support C2 initiatives for various programs. Rapidly respond to implement system resiliency and situational awareness necessary to operate in the contested space domain. activities may include, but are not limited to program office support, studies, technical analysis, prototyping, etc.					
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> FY2019 increased compared to FY2018 by \$0.029M. Justification for this increase is described in plans above.					
<b>Accomplishments/Planned Programs Subtotals</b>	3.832	7.052	7.081	-	7.081

**C. Other Program Funding Summary (\$ in Millions)**

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Air Force		Date: February 2018
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 1206421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>

**C. Other Program Funding Summary (\$ in Millions)**

**Remarks**

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**D. Acquisition Strategy**

All contracts will be awarded using competitive procedures to the maximum extent possible to acquire next generation capabilities through incremental acquisitions.

**E. Performance Metrics**

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-4A, RDT&amp;E Schedule Details:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A005 / <i>Offensive Counterspace (OCS) C2</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>JETSS</b>				
C2 Spiral #5 Development	1	2017	1	2018
C2 Spiral #5 Test	1	2018	1	2018
C2 Spiral #5 Delivery	2	2018	2	2018
C2 Spiral #6 Developement	2	2018	3	2021
JMS SOA Integration Study	4	2018	1	2019
JMS Integration	1	2020	4	2021
C2 Spiral #6 Test	4	2020	3	2021
C2 Spiral #6 Delivery	3	2021	4	2021

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Air Force										<b>Date:</b> February 2018		
<b>Appropriation/Budget Activity</b> 3600 / 5					<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>				<b>Project (Number/Name)</b> 65A013 / <i>BOUNTY HUNTER</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</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>
65A013: <i>BOUNTY HUNTER</i>	-	2.370	1.886	1.907	0.000	1.907	1.947	1.985	2.031	2.068	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Bounty Hunter (BH) supports the Defensive Space Control of US systems in a specific AOR and provides the capacity to prevent effective adversary use of Command, Control, Communications, Computers, and Intelligence (C4I). Continuing yearly spiral development is needed to meet new user needs in an ever changing threat environment.

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

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
<b>Title:</b> Bounty Hunter	2.370	1.886	1.907	-	1.907
<b>Description:</b> Develop new capabilities for the Bounty Hunter program to maintain operational capability. Specific accomplishments are classified.					
<b>FY 2018 Plans:</b> Developed and integrate EMI upgrade based on verified warfighter need (which is classified).					
<b>FY 2019 Base Plans:</b> Complete development/integration of EMI upgrade and deliver to warfighter. Continue development of BH upgrades in response to verified warfighter need (classified) to maintain operational capability and combat evolving threats.					
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> FY2019 increased compared to FY2018 by \$0.035M. Justification for this increase is described in plans above.					
<b>Accomplishments/Planned Programs Subtotals</b>	2.370	1.886	1.907	-	1.907

**C. Other Program Funding Summary (\$ in Millions)**

<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>
• SPAF 01 CTRSPC / Counterspace Sy...: <i>Bounty Hunter Investment</i>	0.000	6.061	1.130	-	1.130	-	-	-	-	0.000	7.191
<b>Remarks</b>											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A013 / <i>BOUNTY HUNTER</i>

**D. Acquisition Strategy**

Contracts funded for this program shall be awarded to the MITRE Federally Funded Research and Development Center (FFRDC).

**E. Performance Metrics**

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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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force** **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A013 / <i>BOUNTY HUNTER</i>
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<b>Product Development (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of 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			
Bounty Hunter Spiral Development	MIPR	MITRE : Colorado Springs, CO	-	2.241	Feb 2017	1.886	Oct 2017	1.907	Oct 2017	-		1.907	Continuing	Continuing	-
<b>Subtotal</b>			-	2.241		1.886		1.907		-		1.907	Continuing	Continuing	N/A

**Remarks**  
Bounty Hunter program was a new start in FY 2016.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of 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			
BOUNTY HUNTER SPIRAL DEVELOPMENT	MIPR	Not specified. : NV	-	0.129	Feb 2017	-		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	0.129		-		-		-		-	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>	-	2.370	1.886	1.907	-	1.907	Continuing	Continuing	N/A

**Remarks**



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**Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force** **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / Counterspace Systems	<b>Project (Number/Name)</b> 65A013 / BOUNTY HUNTER
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	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

<b>BOUNTY HUNTER</b>																													
Bounty Hunter Development Spiral 1				■																									
Spiral #1 Delivery				■																									
Bounty Hunter Development Spiral 2	■	■	■	■																									
Spiral #2 Delivery				■																									
Bounty Hunter Development Spiral 3					■	■	■	■																					
Spiral # 3 Delivery								■																					
Bounty Hunter Development Spiral 4									■	■	■	■																	
Spiral #4 Delivery												■																	
Bounty Hunter Development Spiral 5													■	■	■	■													
Spiral #5 Delivery																■													
Bounty Hunter Development Spiral 6																	■	■	■	■									
Spiral #6 Delivery																							■						
Bounty Hunter Development Spiral 7																								■	■	■	■		
Spiral #7 Delivery																											■		

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2019 Air Force **Date:** February 2018

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206421F / <i>Counterspace Systems</i>	<b>Project (Number/Name)</b> 65A013 / <i>BOUNTY HUNTER</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>BOUNTY HUNTER</i></b>				
Bounty Hunter Development Spiral 1	4	2017	4	2017
Spiral #1 Delivery	4	2017	4	2017
Bounty Hunter Development Spiral 2	1	2017	3	2017
Spiral #2 Delivery	4	2017	4	2017
Bounty Hunter Development Spiral 3	1	2018	3	2018
Spiral # 3 Delivery	4	2018	4	2018
Bounty Hunter Development Spiral 4	1	2019	3	2019
Spiral #4 Delivery	4	2019	4	2019
Bounty Hunter Development Spiral 5	1	2020	3	2020
Spiral #5 Delivery	4	2020	4	2020
Bounty Hunter Development Spiral 6	1	2021	3	2021
Spiral #6 Delivery	4	2021	4	2021
Bounty Hunter Development Spiral 7	1	2022	3	2022
Spiral #7 Delivery	4	2022	4	2022