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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	22.654	24.134	34.394	0.425	34.819	40.762	22.643	18.909	19.213	Continuing	Continuing
65A001: <i>Counter Satellite Communications System</i>	-	15.618	14.615	28.862	0.000	28.862	32.130	13.884	9.916	10.094	0.000	125.119
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	7.036	7.737	3.961	0.000	3.961	7.032	7.131	7.334	7.431	0.000	47.662
65A013: <i>BOUNTY HUNTER</i>	-	0.000	1.782	1.571	0.425	1.996	1.600	1.628	1.659	1.688	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program conducts critical planning, technology and capability insertion, and system acquisition of Air Force space control systems and associated command and control systems to meet current and future military space control needs in the face of an emerging threat. This funding supports the acquisition process including concept development, risk reduction, design, integration, test, and demonstration. Space control systems include both offensive counterspace (OCS) and defensive counterspace (DCS) systems. OCS systems include the means to disrupt, deny, degrade, or destroy an adversary's space systems, or the information they provide, which may be used for purposes hostile to U.S. national security interests. DCS systems include both active and passive measures to protect U.S. and friendly space related capabilities (satellites, communications links, and supporting ground systems) from enemy attack or interference. This includes development efforts to prevent adversarial ability to use U.S. space systems and services for purposes hostile to U.S. national security interests.

Counterspace Command and Control (C2) includes command and control and mission planning capabilities required for the fielding and employment of counterspace systems. Additional funds in FY2017 and beyond allow the program to continue spiral upgrades of critical battle management command and control (BMC2) functions in concert with the incremental updates to the counterspace systems it supports.

Bounty Hunter supports the Defensive Space Control of US systems in a specific Area of Responsibility and provides the capacity to prevent effective adversary use of Command, Control, Communications, Computers, and Intelligence (C4I). FY2017 OCO funding is for in-theater recapitalization activities to include: R&D and fielding of new capabilities to address evolving threats; hardware and software replacement; and obsolescence issue resolution.

This program is in Budget Activity 5, System Development and Demonstration, 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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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>
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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	23.424	24.208	30.468	0.000	30.468
Current President's Budget	22.654	24.134	34.394	0.425	34.819
Total Adjustments	-0.770	-0.074	3.926	0.425	4.351
• Congressional General Reductions	-0.770	-0.074			
• 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	3.926	0.425	4.351

Change Summary Explanation

FY2017: +\$3.926M funds allow the program to add new user capability, to included battle management command and control (BMC2), to coincide with Joint Space Operations Center Mission System (JMS) Increment 3 integration.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>				Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
65A001: <i>Counter Satellite Communications System</i>	-	15.618	14.615	28.862	0.000	28.862	32.130	13.884	9.916	10.094	0.000	125.119
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Acquisition Decision Memorandum (24 April 2009) directed all capabilities identified in the 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.

CCS provides expeditionary, deployable, reversible offensive space control (OCS) effects applicable across the full spectrum of conflict. It prevents adversary SATCOM in AOR including C2, Early Warning and Propaganda, and hosts Rapid Reaction Capabilities in response to Urgent Needs. This program effort includes architecture engineering, 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)

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Counter Communications System (CCS) Pre-planned Product Improvement (P3I) Program	15.618	14.615	28.862	-	28.862
Description: Develop, integrate, test and field the CCS Pre-planned Product Improvement (P3I) program. This is an incremental approach to deliver Block 20 CCS capabilities.					
FY 2015 Accomplishments: Continued development, integration and testing of Increment 2 of the Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.2).					
FY 2016 Plans: Continue development, integration and testing of Increment 2 of Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.2).					
FY 2017 Base Plans: Continue development, integration and testing of Increment 2 of Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.2). Planned delivery of one system with a Development Support Facility. Begin development of Increment 3 of Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.3).					
Accomplishments/Planned Programs Subtotals	15.618	14.615	28.862	-	28.862

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>

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

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>			<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• OPAF:BA03:Line Item #836810: <i>Counterspace Systems</i>	59.439	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-
• SPAF:BA01:Line Item CTRSPC: <i>Counterspace Systems</i>	0.000	43.065	26.984	0.000	26.984	22.676	0.000	0.000	0.000	0.000	160.599

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 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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 (1)	C/CPIF	Harris : Melbourne, FL	-	9.898	Dec 2014	9.066	Dec 2015	21.240	Dec 2016	0.000		21.240	Continuing	Continuing	-
Block 10 P3I Development (2)	Various	Various : El Segundo, CA	-	0.000	May 2015	0.628	May 2016	1.337		0.000		1.337	Continuing	Continuing	TBD
Technical Mission Analysis	RO	Aerospace Corp : El Segundo, CA	-	0.223	Oct 2014	1.009	Oct 2015	1.029	Oct 2016	0.000		1.029	Continuing	Continuing	11.144
CCS Enterprise Systems Engineering and Integration	C/FFP	AT&T : El Segundo, CA	-	0.490	Jun 2015	0.118	Jun 2016	0.163	Jun 2017	0.000		0.163	Continuing	Continuing	TBD
Subtotal			-	10.611		10.821		23.769		0.000		23.769	-	-	-

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	-	1.571	Nov 2014	1.929	Nov 2015	1.989	Nov 2016	0.000		1.989	0.000	5.489	-
Miscellaneous Support Services	Various	Various : TBD	-	0.000	May 2015	0.147	May 2016	0.000		0.000		0.000	Continuing	Continuing	TBD
Subtotal			-	1.571		2.076		1.989		0.000		1.989	-	-	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>

	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
USAF 10.2 CDR	■																											
USAF 10.1 System Delivery: #6	■																											
USAF 10.2 SVT							■																					
USAF 10.2 SVR								■																				
USAF 10.2 DT/OT											■																	
USAF 10.2 System Delivery: #1											■																	
ANG 10.2 System Delivery #1											■																	
ANG 10.2 System Delivery: #2												■																
USAF 10.2 Trainer Delivery												■																
USAF 10.2 System Deliveries: #2-#6													■	■	■	■												
ANG 10.2 Trainer Delivery																■												
ANG 10.2 System Delivery: #3																				■								
ANG 10.2 System Delivery: #4																								■				

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
USAF 10.2 CDR	1	2015	1	2015
USAF 10.1 System Delivery: #6	1	2015	1	2015
USAF 10.2 SVT	3	2016	3	2016
USAF 10.2 SVR	4	2016	4	2016
USAF 10.2 DT/OT	1	2017	1	2017
USAF 10.2 System Delivery: #1	1	2017	1	2017
ANG 10.2 System Delivery #1	1	2017	1	2017
ANG 10.2 System Delivery: #2	2	2017	2	2017
USAF 10.2 Trainer Delivery	3	2017	3	2017
USAF 10.2 System Deliveries: #2-#6	1	2018	3	2018
ANG 10.2 Trainer Delivery	4	2018	4	2018
ANG 10.2 System Delivery: #3	1	2019	1	2019
ANG 10.2 System Delivery: #4	2	2019	2	2019

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A005 / Offensive Counterspace (OCS) C2			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	7.036	7.737	3.961	0.000	3.961	7.032	7.131	7.334	7.431	0.000	47.662
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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Joint Execution and Tasking System for Space (JETSS)	7.036	7.737	3.961	-	3.961
Description: Evolve with upgrades the counterspace mission planning and C2 capability to support counterspace systems space control warfighter activities.					
FY 2015 Accomplishments: Continued JETSS development of Spiral 4 and began development of Spiral 5. Also accomplished future system planning.					
FY 2016 Plans: Deliver JETSS Spiral 4 capability and continue development of JETSS Spiral 5 in FY 2017, which includes future systems.					
FY 2017 Base Plans: Deliver JETSS Spiral 5, including C2 Integrated Site Picture (ISP) improvement and Multi Compartmented Collaboration Service (MCS) voice upgrades.					
Accomplishments/Planned Programs Subtotals	7.036	7.737	3.961	-	3.961

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

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• None: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force	Date: February 2016
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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Develop Counterspace Planning and C2 System (JETSS)	C/CPAF	General Dynamics : Santa Clara, CA	-	5.312	Dec 2014	6.031	Dec 2015	2.836	Dec 2016	0.000		2.836	Continuing	Continuing	TBD
Counterspace Architecture Development	C/CPFF	NGMS : Redondo Beach, CA	-	0.913	Jun 2015	0.839	Jun 2016	0.470	Jun 2017	0.000		0.470	Continuing	Continuing	TBD
Subtotal			-	6.225		6.870		3.306		0.000		3.306	-	-	-

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
A&AS	C/CPAF	Various : TBD	-	0.761	Oct 2014	0.817	Oct 2015	0.605	Oct 2016	0.000		0.605	Continuing	Continuing	TBD
Other Support	C/Various	Variu : TBD	-	0.050	Oct 2014	0.050	Oct 2015	0.050	Oct 2016	0.000		0.050	Continuing	Continuing	TBD
Subtotal			-	0.811		0.867		0.655		0.000		0.655	-	-	-

			Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	7.036	7.737	3.961	0.000	3.961	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force	Date: February 2016
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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>
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	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
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<u>Remarks</u>									
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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems	Project (Number/Name) 65A005 / Offensive Counterspace (OCS) C2
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
C2 Spiral #4 Development	██████████																											
C2 Spiral #4 Test					██████████																							
C2 Spiral #4 Delivery					██████████																							
C2 Spiral #5 Development	██████████																											
C2 Spiral #5 Test									██████████																			
C2 Spiral #5 Delivery									██████████																			
C2 Spiral #6 Development													██████████															
C2 Spiral #6 Test																					██████████							
C2 Spiral #6 Delivery																					██████████							
JMS Integration Study																	██████████											
JMS Integration																					██████████							

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
C2 Spiral #4 Development	1	2015	3	2015
C2 Spiral #4 Test	3	2015	1	2016
C2 Spiral #4 Delivery	4	2015	3	2016
C2 Spiral #5 Development	2	2015	3	2017
C2 Spiral #5 Test	2	2017	3	2017
C2 Spiral #5 Delivery	3	2017	4	2017
C2 Spiral #6 Development	2	2018	3	2021
C2 Spiral #6 Test	4	2020	3	2021
C2 Spiral #6 Delivery	3	2021	4	2021
JMS Integration Study	2	2019	3	2019
JMS Integration	1	2020	4	2021

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A013 / BOUNTY HUNTER			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
65A013: BOUNTY HUNTER	-	0.000	1.782	1.571	0.425	1.996	1.600	1.628	1.659	1.688	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.

FY17 OCO funding is for in-theater recapitalization activities to include: R&D and fielding of new capabilities to address evolving threats; hardware and software replacement; and obsolescence issue resolution.

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Bounty Hunter	0.000	1.782	1.571	0.425	1.996
Description: Develop new capabilities for the Bounty Hunter program to maintain operational capability. Specific accomplishments are classified.					
FY 2015 Accomplishments: N/A					
FY 2016 Plans: Plan, develop and deliver Spiral 1 upgrades based on verified warfighter needs (which are classified).					
FY 2017 Base Plans: Develop and deliver Spiral 2 upgrades based on verified warfighter needs (which are classified).					
FY 2017 OCO Plans: In-theater recapitalization activities to include: R&D and fielding of new capabilities to address evolving threats; hardware and software replacement; and obsolescence issue resolution.					
Accomplishments/Planned Programs Subtotals	0.000	1.782	1.571	0.425	1.996

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

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force	Date: February 2016
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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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Remarks

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 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	-	0.000		1.782	Apr 2016	1.571	Oct 2016	0.425		1.996	Continuing	Continuing	-
Subtotal			-	0.000		1.782		1.571		0.425		1.996	-	-	-

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

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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			
Subtotal			-	-		-		-		-		-	-	-	-

			Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.000	1.782	1.571	0.425	1.996	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
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																												■

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Bounty Hunter Development Spiral 1	2	2016	3	2016
Spiral #1 Delivery	4	2016	4	2016
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

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