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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	55.592	48.063	21.848	0.000	21.848	36.600	37.050	37.361	38.089	Continuing	Continuing
65A001: <i>Counter Satellite Communications System</i>	-	48.929	33.438	19.745	0.000	19.745	34.455	34.864	35.126	35.810	Continuing	Continuing
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	2.184	2.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.803
65A013: <i>BOUNTY HUNTER</i>	-	4.479	12.006	2.103	0.000	2.103	2.145	2.186	2.235	2.279	Continuing	Continuing

A. Mission Description and Budget Item Justification

Acquisition Decision Memorandum (ADM) April 24th 2009, directed all capabilities identified in the October 4th 2006, Counter Communications System (CCS) Block 20, Joint Requirements Oversight Council (JROC) approved Capability Development Document (CDD) shall be accomplished as Pre-planned Product Improvement Program (P3I) upgrades to the CCS Block 10. On April 11th 2016, Air Force Space Command (AFSPC) updated ADM adding additional responsibility for CCS Block 10.3 Meadowlands.

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.

Space acquisition must respond with speed and agility to emerging adversary threats. The Space Systems Command (SSC) has transformed the organization and implementation of space acquisition to an enterprise approach, to increase innovation and resiliency, leveraging international, commercial, and mission partnerships, and managing program/project priorities according to an integrated unclassified/classified enterprise space architecture. Expanding the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, SSC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose existing capabilities.

Bounty Hunter (BH) is a ground-based, deployable, tactical space Electronic Warfare Support system (ES) that provides SATCOM geolocation and interference detection capabilities that support the Defensive Space Control of US systems in a specific AOR. BH provides the capability to monitor, detect, characterize and geolocate friendly and unfriendly electro-magnetic interference (EMI) across multiple radio frequency bands in support of Command, Control, Communications, Computers, and Intelligence (C4I) systems by US Joint forces. Continuing annual agile development is needed to meet new user needs in an ever changing threat environment.

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Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>
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This program element may include necessary civilian pay expenses required to manage, execute, and deliver Bounty Hunter capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829S. In FY 2021 0.147M expended, in FY 2022 0.152M expended and, it is estimated for civilian pay expenses in FY 2023 will be 0.155M in this program element.

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.

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	57.189	38.063	0.000	0.000	0.000
Current President's Budget	55.592	48.063	21.848	0.000	21.848
Total Adjustments	-1.597	10.000	21.848	0.000	21.848
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	10.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-1.597	0.000			
• Other Adjustments	0.000	0.000	21.848	0.000	21.848

Change Summary Explanation

FY 2023: The Offensive Counterspace C2 project is scheduled to complete by the end of FY 2022. The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY2023 cannot be made in a relevant manner.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force										Date: April 2022		
Appropriation/Budget Activity 3620F / 5					R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>				Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
65A001: <i>Counter Satellite Communications System</i>	-	48.929	33.438	19.745	0.000	19.745	34.455	34.864	35.126	35.810	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Acquisition Decision Memorandum (ADM) April 24th 2009, directed all capabilities identified in the Oct 4th 2006 CCS Block 20, Joint Requirements Oversight Council (JROC) approved Capability Development Document (CDD) shall be accomplished as Pre-planned Product Improvement Program (P3I) upgrades to the Counter Communications System (CCS) Block 10. On April 11th 2016, Air Force Space Command (AFSPC) signed and updated ADM adding additional responsibility for CCS Block 10.3 Meadowlands.

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 Operational 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.

Space acquisition must respond with speed and agility to emerging adversary threats. The Space Systems Command (SSC) has transformed the organization and implementation of space acquisition to an enterprise approach, to increase innovation and resiliency, leveraging international, commercial, and mission partnerships, and managing program/project priorities according to an integrated unclassified/classified enterprise space architecture. Expanding the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, SSC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose existing capabilities.

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 1206392SF and 1206398SF.

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

	FY 2021	FY 2022	FY 2023
Title: Counter Communications System (CCS) Pre-planned Product Improvement (P3I) Program	48.929	33.438	19.745
Description: Develop, integrate, test and field the CCS P3I program. This is an incremental approach to deliver Block 20 CCS capabilities.			
FY 2022 Plans: Continue P3I development, integration and testing of the Block 10 P3I Meadowlands program. Include additional CCS Block 20 capabilities in CCS Block 10.3 Meadowlands, design forward garrison systems, mission specific emulators, training environment			

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
<p>and multi-range integration. Begin delivery of the Meadowlands development systems following the successful completion of developmental and operational testing. Continue development of new mission techniques to meet advancing threat and integrate techniques into the CCS program of record. Continue implementation of Agile development approach for development of weapon system software.</p> <p>Additionally, FY 2022 funding will allow the program to rapidly respond and implement system resiliency and situational awareness necessary to operate in the contested space domain. RDT&E funding is required to support this transformation and enable Space Superiority end-to-end integration activities such as, but not limited to program office support, studies, technical analysis, experimentation, prototyping, architectural development, systems engineering, demonstrations, testing, command and control integration, mission partner integration, and space test/combat range events.</p> <p>FY 2023 Plans: Continue P3I development, integration and testing of the Block 10 P3I Meadowlands program. Include additional CCS Block 20 capabilities in CCS Block 10.3 Meadowlands, design forward garrison systems, mission specific emulators, training environment and multi-range integration. Continue development of new mission techniques to meet advancing threat and integrate techniques into the CCS program of record. Continue Agile development approach for development of weapon system software and mission techniques. Prepare for concentrated stand-alone testing of CCS warfighting techniques and integration of the next counter Electronic Warfare (EW) system.</p> <p>Further, FY 2023 funding will further the program's development to rapidly respond and implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to: studies, technical analysis, risk reduction experiments and prototyping, integration and test of command and control (C2), resiliency measures and mission partner interfaces, space test/combat range events, and office support etc. Rapidly respond and implement system resiliency and situational awareness necessary to operate in the contested space domain.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: FY 2023 decreased compared to FY 2022 due to the ramp down of CCS Meadowlands development and testing activities.</p>			
Accomplishments/Planned Programs Subtotals	48.929	33.438	19.745

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u> <u>Base</u>	<u>FY 2023</u> <u>OCO</u>	<u>FY 2023</u> <u>Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• SPAF 01 CTRSPC: <i>Counterspace Systems</i>	44.167	59.793	55.269	-	55.269	61.908	1.968	2.008	2.048	0.000	227.161

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <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 2021</u>	<u>FY 2022</u>	<u>FY 2023</u> <u>Base</u>	<u>FY 2023</u> <u>OCO</u>	<u>FY 2023</u> <u>Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A001 / <i>Counter Satellite Communications System</i>
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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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	-	38.195	Feb 2021	24.937	Feb 2022	11.384	Feb 2023	-		11.384	Continuing	Continuing	-
Technical Mission Analysis	RO	Aerospace Corp : El Segundo, CA	-	0.912	Oct 2020	0.726	Oct 2021	0.727	Oct 2022	-		0.727	Continuing	Continuing	-
Enterprise Systems Engineering and Integration	C/FFP	Various : Various, CA	-	1.002	May 2021	0.198	May 2022	0.197	May 2023	-		0.197	Continuing	Continuing	-
Counterspace Architecture Development	C/CPFF	NGMS : Redondo Beach, CA	-	0.966	Jan 2021	0.908	Jan 2022	0.927	Jan 2023	-		0.927	Continuing	Continuing	-
Subtotal			-	41.075		26.769		13.235		-		13.235	Continuing	Continuing	N/A

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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	-	2.278	Nov 2020	2.304	Nov 2021	2.307	Nov 2022	-		2.307	Continuing	Continuing	-
Subtotal			-	2.278		2.304		2.307		-		2.307	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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	-	1.163	Oct 2020	0.786	Oct 2021	0.800	Oct 2022	-		0.800	Continuing	Continuing	-
A&AS	Various	Various : El Segundo, CA	-	4.373	May 2021	3.481	May 2022	3.307	May 2023	-		3.307	Continuing	Continuing	-
Other Support	Various	Various : El Segundo, CA	-	0.040	Oct 2020	0.098	Oct 2021	0.096	Oct 2022	-		0.096	Continuing	Continuing	-
Subtotal			-	5.576		4.365		4.203		-		4.203	Continuing	Continuing	N/A

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force		Date: April 2022
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CCS B10.3				
10.3 Development	1	2021	2	2022
Technique development (2x per year)	3	2021	1	2026
10.3 Development Test/Operational Test	2	2022	4	2022
10.3 System Deliveries #1-4	3	2023	1	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / Counterspace Systems	Project (Number/Name) 65A005 / Offensive Counterspace (OCS) C2
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	2.184	2.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.803
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 Space Force Headquarters prioritized requirements, in accordance with AFSPC 63-104.

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

	FY 2021	FY 2022	FY 2023
Title: Joint Execution and Tasking System for Space (JETSS)	2.184	2.619	0.000
Description: Evolve with upgrades the counterspace mission planning and C2 capability to support counterspace systems space control warfighter activities.			
FY 2022 Plans: Accelerate the completion of integration into BMC2, upgrading Space Electronic Warfare C2 capabilities at multiple classification levels for CSpOC and tactical units. Additionally, FY 2022 funding will allow the program to implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities include, but are not limited to, program office support, studies, technical analysis, experimentation, prototyping, etc.			
FY 2023 Plans: N/A			
FY 2022 to FY 2023 Increase/Decrease Statement: FY 2023 decreased due to the completion of Project 65A005: Offensive Counterspace (OCS) C2.			
Accomplishments/Planned Programs Subtotals	2.184	2.619	0.000

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

N/A

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
3620F / 5	PE 1206421SF / <i>Counterspace Systems</i>	65A005 / <i>Offensive Counterspace (OCS) C2</i>

D. Acquisition Strategy

All contracts will be awarded using competitive procedures to the maximum extent possible to acquire next generation capabilities through incremental acquisitions. The Offensive Counterspace (OCS) C2 project will complete by end of FY 2022, and any future efforts will be considered for inclusion as an incremental delivery of the Space C2 program.

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>
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FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

JETSS	
C2 Product Line Development	

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JETSS				
C2 Product Line Development	1	2021	4	2022

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force										Date: April 2022		
Appropriation/Budget Activity 3620F / 5					R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>				Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
65A013: <i>BOUNTY HUNTER</i>	-	4.479	12.006	2.103	0.000	2.103	2.145	2.186	2.235	2.279	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Bounty Hunter (BH) is a ground-based, deployable, tactical space Electronic Warfare Support system (ES) that provides SATCOM geolocation and interference detection capabilities that support the Defensive Space Control of US systems in a specific AOR. BH provides the capability to monitor, detect, characterize and geolocate friendly and unfriendly electro-magnetic interference (EMI) across multiple radio frequency bands in support of Command, Control, Communications, Computers, and Intelligence (C4I) systems by US Joint forces. Continuing annual agile development is needed to meet new user needs in an ever changing threat environment.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Bounty Hunter capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605829F. In PY 2021 \$0.134M was expended for civilian pay expenses in this program element, and in CY 2022 \$0.152M will be expended for civilian pay expenses in this program element.

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

	FY 2021	FY 2022	FY 2023
Title: Bounty Hunter	4.479	12.006	2.103
Description: Develop new capabilities for the Bounty Hunter program to meet and maintain pace with the operational threat environment. Specific accomplishments are classified.			
FY 2022 Plans: Continue to resolve any new technical obsolescence hardware (HW) and software (SW) challenges with new system component purchases for additional new system delivery as directed by the US Space Force. Finalize execution of the program RDT&E plan for system upgrade to BH 3.0 and beyond to allow for system component consolidation and completion of remote operations in specific CCMD AOR's. Reach and maintain pace with the threat environment and 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, experimentation, prototyping, etc.			
FY 2023 Plans: Continue to resolve any new technical obsolescence HW and SW challenges with new system developmental research to facilitate component purchases for new system delivery as directed by the U.S. Space Force. Finalize execution of the program RDT&E plan for system upgrade to BH 3.0 and beyond to allow for system component consolidation and completion of remote operations in specific Combatant Command (CCMD) Areas of Responsibility (AOR's). Reach and maintain pace with the threat environment and 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, experimentation, prototyping, etc.			

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force	Date: April 2022
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Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
Further, FY 2023 development will focus on automation of BH capabilities in an effort to reduce the operational manning of the deployed systems.			
<i>FY 2022 to FY 2023 Increase/Decrease Statement:</i> FY2023 decreased compared to FY2022 by \$9.902M. Justification for this decrease is the completion of UON 003-21-001.			
Accomplishments/Planned Programs Subtotals	4.479	12.006	2.103

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u> <u>Base</u>	<u>FY 2023</u> <u>OCO</u>	<u>FY 2023</u> <u>Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• SPAF 01 CTRSPC: <i>Counterspace Systems</i>	4.988	5.030	5.099	-	5.099	-	-	-	-	0.000	15.117

Remarks
BH was established in FY16 as a JCTD project in response to a JUON in 2010. BH was established as a Program of Record (PoR) in March 2019.

D. Acquisition Strategy
Contracts funded for this program shall be awarded to MITRE, a Federally Funded Research and Development Center (FFRDC), and the commercial vendor COLSA Corporation.

**2026 Continuous Delivery (SW & HW updates) Start 2nd qtr 2026 - End 1st qtr 2027

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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 Developmental Test Support	PO	AFLCMC/HNCP : TBD	-	-		0.162		0.573		-		0.573	Continuing	Continuing	-
Bounty Hunter Agile Development	SS/CPAF	MITRE : Colorado Springs, CO	-	1.049	Oct 2020	0.263	Oct 2021	0.000	Oct 2022	-		0.000	Continuing	Continuing	-
Bounty Hunter Development	SS/CPFF	COLSA : Huntsville, AL	-	3.296	Mar 2021	1.429	Mar 2022	1.386	Mar 2023	-		1.386	Continuing	Continuing	-
Bounty Hunter UON	C/CPFF	COLSA : Huntsville, AL	-	-		10.000	May 2022	-		-		-	Continuing	Continuing	-
Subtotal			-	4.345		11.854		1.959		-		1.959	Continuing	Continuing	N/A

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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 Civilian Pay DCA	TBD	USAF : Hanscom AFB, MA	-	0.134	Oct 2020	0.152	Oct 2021	0.144	Oct 2022	-		0.144	Continuing	Continuing	-
Subtotal			-	0.134		0.152		0.144		-		0.144	Continuing	Continuing	N/A

	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals		-	4.479	12.006	2.103	-		2.103	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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																												
Bounty Hunter Incremental Development																												
Bounty Hunter Ops System #1																												
Bounty Hunter Ops System #2																												
Bounty Hunter Ops System #3 Production																												
Bounty Hunter Ops System #3 Operations																												
Bounty Hunter Ops System #4 Production																												
Bounty Hunter Ops System #4 Operations																												
Bounty Hunter Ops System #5 Production																												
Bounty Hunter Ops System #5 Operations																												
Bounty Hunter Trainer #1																												
Bounty Hunter Trainer #2 Production																												
Bounty Hunter Trainer #2 Operations																												
Bounty Hunter Trainer #3 Production																												
Bounty Hunter Trainer #3 Operations																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3620F / 5	R-1 Program Element (Number/Name) PE 1206421SF / <i>Counterspace Systems</i>	Project (Number/Name) 65A013 / <i>BOUNTY HUNTER</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Bounty Hunter</i>				
Bounty Hunter Incremental Development	1	2021	4	2027
Bounty Hunter Ops System #1	1	2021	4	2027
Bounty Hunter Ops System #2	1	2021	4	2027
Bounty Hunter Ops System #3 Production	1	2021	4	2022
Bounty Hunter Ops System #3 Operations	1	2023	4	2027
Bounty Hunter Ops System #4 Production	1	2021	3	2022
Bounty Hunter Ops System #4 Operations	4	2022	4	2027
Bounty Hunter Ops System #5 Production	1	2022	3	2023
Bounty Hunter Ops System #5 Operations	4	2023	4	2027
Bounty Hunter Trainer #1	1	2021	4	2027
Bounty Hunter Trainer #2 Production	1	2021	3	2021
Bounty Hunter Trainer #2 Operations	4	2021	4	2027
Bounty Hunter Trainer #3 Production	4	2022	3	2024
Bounty Hunter Trainer #3 Operations	4	2024	4	2027

Note

**2026 Continuous Delivery (SW & HW updates) Start 2 qtr 2026 - End 1st qtr 2027