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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	18.449	35.110	64.242	-	64.242	59.862	45.318	49.852	44.832	0.000	317.665
CQ5: C-sUAS Joint New Capabilities Development	-	7.629	26.229	43.263	-	43.263	34.471	15.826	15.083	7.370	0.000	149.871
CQ6: C-sUAS Joint Enabling Capabilities Development	-	10.820	8.881	20.979	-	20.979	25.391	29.492	34.769	37.462	0.000	167.794

A. Mission Description and Budget Item Justification

The Secretary of Defense (SecDef) designated the Secretary of the Army (SA) as the Department of Defense's (DoD) Executive Agent (EA) for Counter-small Unmanned Aircraft Systems (C-sUAS). The EA is tasked with leading, directing, and synchronizing DoD efforts to counter small Unmanned Aircraft System (sUAS) threats while minimizing unnecessary duplication and redundancy. The C-sUAS efforts are in response to the DoD Joint Requirements Oversight Council Memorandum (JROC-M) requirement for identification, development, testing, evaluation, and integration of technologies to defeat sUAS threats across the DoD. The C-sUAS efforts provide warfighters the ability to comprehensively detect, track, identify, and defeat enemy Group 1, 2 and 3 UAS platforms. The efforts will be joint development efforts to provide integrated solutions to meet the needs of the Military Services and DoD Agencies against emerging threats.

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	19.148	35.110	39.314	-	39.314
Current President's Budget	18.449	35.110	64.242	-	64.242
Total Adjustments	-0.699	0.000	24.928	-	24.928
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.699	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	24.928	-	24.928

Change Summary Explanation

FY 2024 funding increase reflects the Department's additional investment in joint C-sUAS ongoing efforts and new capabilities to address sUAS emerging threats.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army										Date: March 2023		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
CQ5: C-sUAS Joint New Capabilities Development	-	7.629	26.229	43.263	-	43.263	34.471	15.826	15.083	7.370	0.000	149.871
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Counter-small Unmanned Aircraft Systems (C-sUAS) efforts will demonstrate and support prototype efforts with technologies and concepts to enable and/or accelerate their transition to acquisition programs. The efforts will address technical gaps between initial technologies or concept development and quickly transition to warfighter capabilities. Efforts will explore new concepts and their applications in potential future operating environments within a systems-of-systems context. These joint prototyping efforts will inform future requirements and support acquisition strategy planning to address the evolving s-UAS threats and new environments to which C-sUAS systems must be deployed.

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

	FY 2022	FY 2023	FY 2024
Title: C-sUAS Prototyping New Joint Capabilities	7.629	25.272	43.263
Description: Prototyping detection and identification; defeat; and command and control technologies to meet the C-sUAS capability gaps. Prototypes will address operational requirements identified by the JROCM 078-20 and prioritized critical capability gaps identified by the DoD EA Governance.			
FY 2023 Plans: Continue the prototype development of joint capabilities to address capability gaps in detection, identification, defeat, and enhance command and control. Technology includes the prototyping of Command and Control Decision aids to include Automation, Autonomy, and Human-Machine Teaming; Electronic Warfare detect and defeat; High Energy Lasers; and Combating Emerging sUAS Threats.			
FY 2024 Plans: Continue the prototype development of joint capabilities to address capability gaps in detection, identification, defeat, and enhance command and control. New efforts in development and prototyping support under Collaborative Framework Environment and continuing prototyping efforts for High Power Microwave Ground (Solid State) Increment 2; High Energy Laser-Ground; Software Defined Radio Enhancements (Identification, Detection, Tracking, Defeat); Low Collateral Effects Interceptor Development and Integration; and Command and Control Decision Aids to include Command and Control Automation-Autonomy, and Human Machine Teaming, Family of Counter Unmanned Aircraft Systems (FoCUS) Machine Agent, and Joint Common Electronic Warfare (JCEW).			
FY 2023 to FY 2024 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023		
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ5 / <i>C-sUAS Joint New Capabilities Development</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
FY2024 increase supports the prototype development of joint capabilities to combat current and emerging sUAS threats and includes the addition of the efforts under Collaborative Framework Environment, High Power Microwave, Joint Common Electronic Warfare, and Ninja Software Update capabilities.				
Title: SBIR/STTR		-	0.957	-
FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638 FY 2023 to FY 2024				
FY 2023 to FY 2024 Increase/Decrease Statement: FY23 funding transferred in accordance with Title 15 USC §638				
Accomplishments/Planned Programs Subtotals		7.629	26.229	43.263
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
The Joint C-sUAS new capability prototyping will address the Joint Requirements Oversight Council Memorandum (JROCM) 078-20 and be approved by the Department of Defense C-sUAS Executive Agent (EA) Governance. The C-sUAS EA Governance will approve the prototyping effort to meet identified gap and the joint capability will be funded under this Program Element. The Joint Counter-sUAS Office will identify new technologies within industry and Government S&T organization and leverage the flexibility of the Adaptive Acquisition Framework, and Service Acquisition Policies, and pursue a combination of acquisition pathways to deliver prototypes for evaluation and future decisions. Prototypes may be deployed for additional combat evaluations and provide residual capabilities to the warfighter.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army												Date: March 2023			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 4				PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				CQ5 / C-sUAS Joint New Capabilities Development							
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBIR/STTR Transfer	TBD	Various : Various	-	-		0.957		-		-		-	Continuing	Continuing	Continuing
Subtotal			-	-		0.957		-		-		-	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
High Power Microwave Ground Increment 1	TBD	Various : Various	-	3.711		-		-		-		-	Continuing	Continuing	Continuing
High Energy Laser - Ground	TBD	Various : Various	-	-		10.822		6.450		-		6.450	Continuing	Continuing	Continuing
Software Defined Radio Identification Enhancement	TBD	Various : Various	-	-		2.000		5.240		-		5.240	Continuing	Continuing	Continuing
Low Collateral Effects Interceptor Development and Integration	TBD	Various : Various	-	-		4.950		5.500		-		5.500	Continuing	Continuing	Continuing
Command and Control Decision Aids	TBD	Various : Various	-	3.918		7.500		6.700		-		6.700	Continuing	Continuing	Continuing
High Power Microwave Ground (Solid State) Increment 2	TBD	Various : Various	-	-		-		10.700		-		10.700	Continuing	Continuing	Continuing
NinjaNet	TBD	Various : Various	-	-		-		1.200		-		1.200	Continuing	Continuing	Continuing
Collaborative Framework Environment	TBD	Various : Various	-	-		-		1.800		-		1.800	Continuing	Continuing	Continuing
Joint Common Electronic Warfare	TBD	Various : Various	-	-		-		5.673		-		5.673	Continuing	Continuing	Continuing
Subtotal			-	7.629		25.272		43.263		-		43.263	Continuing	Continuing	N/A
Project Cost Totals			-	7.629		26.229		43.263		-		43.263	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army							Date: March 2023			
Appropriation/Budget Activity 2040 / 4			R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>			Project (Number/Name) CQ5 / <i>C-sUAS Joint New Capabilities Development</i>				
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development	Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
HPM Ground Increment 2 (Solid State) Prototype Development									■	■	■	■	■	■	■	■												
HPM Ground Increment 2 (Solid State) Prototype Test & Ev...															■													
C2 Decision Aids Prototyping		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■												
SDR ID Enhancement Design Study					■	■	■	■																				
SDR ID Enhancement Development and Integration							■	■	■	■	■	■																
LCEI Inc 2 Design and Development							■	■	■	■	■	■																
LCEI Inc 2 Test & Evaluation											■	■																
HEL Prototyping and Data Collection							■	■	■	■	■	■																
HEL Development and Improvements							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
NinjaNet Prototype Development									■	■	■	■																
NinjaNet Prototype Cyber Assessment															▲													
NinjaNet Prototype Operational Assessment															■	■												
Collaborative Framework Environment Design Study									■	■	■	■																

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development	Project (Number/Name) CQ5 / C-sUAS Joint New Capabilities Development

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028							
	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				
Collaborative Framework Environment Development									████████████████████				████████████████████																			
Collaborative Framework Environment Integration																	████████████████████				████████████████████											
Collaborative Framework Environment Test & Evaluation 1																					████████████████████											
Collaborative Framework Environment Test & Evaluation 2																					████████████████████											
HPM Ground Prototyping									████████████████████																							
Joint Common Electronic Warfare Development																	████████████████████				████████████████████											
Joint Common Electronic Warfare Test & Evaluation																					████████████████████											
Ninja Software Updates Development																	████████████████████				████████████████████											
Ninja Software Updates Test & Evaluation																					████████████████████											

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ5 / <i>C-sUAS Joint New Capabilities Development</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
HPM Ground Increment 2 (Solid State) Prototype Development	1	2024	4	2025
HPM Ground Increment 2 (Solid State) Prototype Test & Evaluation	4	2025	4	2025
C2 Decision Aids Prototyping	2	2022	2	2026
SDR ID Enhancement Design Study	1	2023	3	2023
SDR ID Enhancement Development and Integration	3	2023	4	2024
LCEI Inc 2 Design and Development	1	2023	4	2024
LCEI Inc 2 Test & Evaluation	3	2024	4	2024
HEL Prototyping and Data Collection	1	2023	2	2025
HEL Development and Improvements	1	2023	4	2027
NinjaNet Prototype Development	1	2024	1	2025
NinjaNet Prototype Cyber Assessment	1	2025	1	2025
NinjaNet Prototype Operational Assessment	1	2025	1	2026
Collaborative Framework Environment Design Study	1	2024	2	2024
Collaborative Framework Environment Development	2	2024	3	2025
Collaborative Framework Environment Integration	1	2025	3	2025
Collaborative Framework Environment Test & Evaluation 1	2	2025	2	2025
Collaborative Framework Environment Test & Evaluation 2	3	2025	3	2025
HPM Ground Prototyping	1	2022	4	2022
Joint Common Electronic Warfare Development	4	2023	3	2024
Joint Common Electronic Warfare Test & Evaluation	4	2024	4	2024
Ninja Software Updates Development	4	2023	3	2024
Ninja Software Updates Test & Evaluation	4	2024	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army										Date: March 2023		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>				Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
CQ6: <i>C-sUAS Joint Enabling Capabilities Development</i>	-	10.820	8.881	20.979	-	20.979	25.391	29.492	34.769	37.462	0.000	167.794
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Counter-small Unmanned Aircraft Systems (C-sUAS) enabling efforts will support the Joint C-sUAS Office in the identification and prioritization joint gaps and solutions, support Military Service program management members in conducting joint development and minimize duplication and redundancy across the Services. These joint enabling efforts will inform future requirements and solutions of C-sUAS to address the evolving s-UAS threats and new environments to which systems must be deployed.

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

	FY 2022	FY 2023	FY 2024
<p>Title: Joint Studies and Analysis</p> <p>Description: Execution of JCO studies to analyze current and future capability needs to aid the advancement and transition of advanced technologies by providing the credible evidence decision makers need to make sound strategic decision and investment choices. Concepts to be analyzed included, but not limited to, application of C-sUAS technologies in new environments, analysis of joint systems architectures, artificial intelligence and machine learning applications, directed energy weapons application, and integration into multi-domain operations. Studies and Analysis will improve the effectiveness of C-sUAS operation by developing concepts that generate new information to address challenging threats of the future and aid in identifying advanced technologies for prototyping and development.</p> <p>FY 2023 Plans: Continue the executions of joint studies to explore promising concepts and enabling technologies. Activities may include analysis, studies, experimentation, modeling and simulation, virtual prototyping, and workshops. Specific studies are not detailed until late FY22 to ensure they are relevant to FY23 and FY24 decisions.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: FY2024 decrease aligns funding to higher JCO priority development efforts.</p>	3.310	0.766	-
<p>Title: Common Test Range</p> <p>Description: Execution of JCO prototyping and experimentation of a Department of Defense common test ranges to explore new concepts and application in current and future operating environments. Test ranges must adapt to uncertainty of the evolving threat, military application of C-sUAS, and new commercial technology impacts to the battlefield environment. This ensures C-sUAS technology is adequately assessed against a realistic environment and deliver reliable capabilities to the warfighter. These</p>	3.520	2.630	-

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Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>advances in ranges will support the Department of Defense testing activities for C-sUS programs. This also includes updates to the DoD C-sUAS Common Test protocol to be used in all Joint C-sUAS testing activities to ensure consistency of data collection before being deployed.</p> <p>FY 2023 Plans: Continue to execute test range equipment prototyping of urban environmental conditions to include 5G technology, complex electro-magnetic environment, and urban terrain. Activities include prototyping range equipment, experimentation, and analysis of the effectiveness of tactics, techniques, and procedures. This will include iterative updates to the C-sUAS Test protocol.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: FY2024 decrease focuses on higher priority JCO assessment and demonstration efforts.</p>				
<p>Title: Joint Assessments and Demonstrations</p> <p>Description: Execute demonstrations and assessments of new C-sUAS technology to explore new concepts, new applications of existing systems, and new industry technologies. New concepts and technologies demonstrations will address future capability gaps and acquisition programs to maintain pace with evolving threats and employment environments.</p> <p>FY 2023 Plans: Continue the execution semi-annual demonstrations and assessments of C-sUAS technology. Demonstrations will focus on capability gaps and emerging threats identified by the JCO and the Executive Agent C-sUAS Governance.</p> <p>FY 2024 Plans: Continue the execution of demonstrations and assessments of C-sUAS technology. Demonstrations will focus on capability gaps against emerging threats identified by the JCO and the Executive Agent C-sUAS Governance process to inform and enable limited prototyping procurements and follow-on operational assessments.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: FY2024 increases the Department's additional investments in demonstrations and plans to accelerate C-sUAS prototyping efforts.</p>		3.990	5.161	20.979
<p>Title: SBIR/STTR</p> <p>FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638 FY 2023 to FY 2024</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>		-	0.324	-

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
FY23 funding transferred in accordance with Title 15 USC §638			
Accomplishments/Planned Programs Subtotals	10.820	8.881	20.979

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

N/A

Remarks

D. Acquisition Strategy

The Joint C-sUAS enabling efforts will be approved by the Department of Defense C-sUAS Executive Agent (EA) Governance. The C-sUAS EA Governance will approve efforts supporting future DoD decisions and identify gaps in current systems. The Joint Counter-sUAS Office will identify key efforts that support the mission and minimize redundancy among the Services. The Army Rapid Capabilities and Critical Technology Office (RCCTO) has been identified to provide material and acquisition support to the JCO to address enabling capability needs. The JCO with support from the Army RCCTO will solicit industry solutions against the C-sUAS gaps and hold demonstrations at an identified C-sUAS common test range. Identified solutions from demonstrations can potentially transition and/or inform existing C-sUAS programs, create new programs for development under PE0605531A CQ7, identify and create prototyping projects under PE0604531A CQ5, or transition. The JCO with support from the Army RCCTO will acquire necessary equipment and evaluate new environmental conditions for the C-sUAS test ranges to ensure testing consistency and realistic conditions.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army												Date: March 2023				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
2040 / 4				PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development				CQ6 / C-sUAS Joint Enabling Capabilities Development								
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management	TBD	Various : Various	-	0.470		-		-		-		-	Continuing	Continuing	Continuing	
SBIR/STTR Transfer	TBD	Various : Various	-	-		0.324		-		-		-	0.000	0.324	-	
Subtotal			-	0.470		0.324		-		-		-	Continuing	Continuing	N/A	
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Common Test Range	TBD	Various : Various	-	3.520		2.630		-		-		-	Continuing	Continuing	Continuing	
Subtotal			-	3.520		2.630		-		-		-	Continuing	Continuing	N/A	
Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Joint Studies and Analysis	TBD	Various : Various	-	3.310		0.766		-		-		-	Continuing	Continuing	Continuing	
Subtotal			-	3.310		0.766		-		-		-	Continuing	Continuing	N/A	
Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Joint Assessment and Demonstration	TBD	Various : Various	-	3.520		5.161		20.979		-		20.979	Continuing	Continuing	Continuing	
Subtotal			-	3.520		5.161		20.979		-		20.979	Continuing	Continuing	N/A	
Project Cost Totals			-	10.820		8.881		20.979		-		20.979	Continuing	Continuing	N/A	

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / Counter - Small Unmanned Aircraft Systems Advanced Development	Project (Number/Name) CQ6 / C-sUAS Joint Enabling Capabilities Development

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Joint Studies																												
Joint Studies execution																												
Common Test Range																												
Common Test Range assessments																												
Joint Assessment and Demos																												
Joint Assessment and Demonstration																												
Joint Assessment and Demo #3																												
Joint Assessment and Demo #3																												
Joint Assessment and Demo #4																												
Joint Assessment and Demo #4																												
Joint Assessment and Demo #5																												
Joint Assessment and Demo #5																												
Joint Assessment and Demo #6																												
Joint Assessment and Demo #6																												
Joint Assessment and Demo #7																												
Joint Assessment and Demo #7																												
Joint Assessment and Demo #8																												
Joint Assessment and Demo #8																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0604531A / <i>Counter - Small Unmanned Aircraft Systems Advanced Development</i>	Project (Number/Name) CQ6 / <i>C-sUAS Joint Enabling Capabilities Development</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Joint Studies	1	2022	4	2023
Common Test Range	1	2022	4	2023
Joint Assessment and Demos	1	2022	4	2027
Joint Assessment and Demo #3	3	2022	3	2022
Joint Assessment and Demo #4	3	2023	3	2023
Joint Assessment and Demo #5	3	2024	3	2024
Joint Assessment and Demo #6	3	2025	3	2025
Joint Assessment and Demo #7	3	2026	3	2026
Joint Assessment and Demo #8	3	2027	3	2027