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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army **Date:** March 2024

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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	36.629	64.242	59.983	-	59.983	45.407	49.949	44.920	45.369	0.000	346.499
CQ5: C-sUAS Joint New Capabilities Development	-	28.072	43.263	38.790	-	38.790	24.185	28.698	22.967	22.805	0.000	208.780
CQ6: C-sUAS Joint Enabling Capabilities Development	-	8.557	20.979	21.193	-	21.193	21.222	21.251	21.953	22.564	0.000	137.719

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 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	35.110	64.242	59.862	-	59.862
Current President's Budget	36.629	64.242	59.983	-	59.983
Total Adjustments	1.519	0.000	0.121	-	0.121
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.800	-			
• SBIR/STTR Transfer	-1.281	-			
• Adjustments to Budget Years	-	-	0.121	-	0.121

Change Summary Explanation

Increased funding due to revised economic assumptions.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
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>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
CQ5: <i>C-sUAS Joint New Capabilities Development</i>	-	28.072	43.263	38.790	-	38.790	24.185	28.698	22.967	22.805	0.000	208.780
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 CsUAS systems must be deployed.

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

	FY 2023	FY 2024	FY 2025
Title: C-sUAS Prototyping New Joint Capabilities	28.072	43.263	38.790
<p>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.</p> <p>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).</p> <p>FY 2025 Plans: Continue the prototype development of joint capabilities to address capability gaps in threat sUAS detection, identification, tracking, and defeat, and enhance command and control systems. New efforts in prototype development under Advanced Kinetic Defeat. Development and support under Collaborative Framework Environment, Command and Control Decision Aids (Command and Control Automation-Autonomy, and Human Machine Teaming, Family of Counter Unmanned Aircraft Systems (FoCUS) Machine Agent Evolution 2, High Energy Laser-Ground, High Power Microwave Increment 2 (Joint Evaluation of Solid-State</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
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 2023	FY 2024	FY 2025
Technology for Electromagnetic Radiators), Joint Common Electronic Warfare (Joint Common Multi-mission Electronic Warfare), and Software Defined Radio Enhancement. FY 2024 to FY 2025 Increase/Decrease Statement: FY2025 decrease of \$4.473 million reflects transitions of prototype development efforts (Palletized High Energy Laser (P-HEL), Low Collateral Effects Interceptor Increment 2, and parts of Software Defined Radio Identification Enhancement).				
Accomplishments/Planned Programs Subtotals		28.072	43.263	38.790
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 prototyping efforts to meet identified gaps, and the joint capabilities 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, 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 2025 Army **Date:** March 2024

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
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Collaborative Framework Environment	TBD	Various : Various	-	-		1.800		2.000		-		2.000	Continuing	Continuing	Continuing
Command and Control Decision Aids	TBD	Various : Various	3.918	7.500		6.700		4.000		-		4.000	Continuing	Continuing	Continuing
High Energy Laser System Development	TBD	Various : Various	-	10.822		6.450		4.880		-		4.880	Continuing	Continuing	Continuing
High Power Microwave (Solid State) Increment 2	TBD	Various : Various	-	-		10.700		5.900		-		5.900	Continuing	Continuing	Continuing
Joint Common Electronic Warfare	TBD	Various : Various	-	-		5.673		7.913		-		7.913	Continuing	Continuing	Continuing
Low Collateral Effects Interceptor Development and Integration	TBD	Various : Various	-	4.950		5.500		-		-		-	Continuing	Continuing	Continuing
NinjaNet	TBD	Various : Various	-	-		1.200		1.200		-		1.200	Continuing	Continuing	Continuing
Software Defined Radio Identification Enhancement	TBD	Various : Various	-	2.000		5.240		-		-		-	Continuing	Continuing	Continuing
Advanced Kinetic Defeat	TBD	Various : Various	-	2.800		-		8.797		-		8.797	Continuing	Continuing	Continuing
Subtotal			3.918	28.072		43.263		34.690		-		34.690	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
High Energy Laser System Support	TBD	Various : Various	-	-		-		4.100		-		4.100	Continuing	Continuing	Continuing
Subtotal			-	-		-		4.100		-		4.100	Continuing	Continuing	N/A

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		3.918	28.072	43.263	38.790	-	38.790	Continuing	Continuing	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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 Design Study																												
Collaborative Framework Environment Development																												
Collaborative Framework Environment Integration																												
Collaborative Framework Environment Test & Evaluation 1									7																			
Collaborative Framework Environment Test & Evaluation 2										8																		
Command and Control Decision Aids Prototyping																												
High Energy Laser Operational Data Collection																												
High Energy Laser 10kW P-HEL 1 OA									1																			
High Energy Laser 10kW P-HEL 2 Deployment									2																			
High Energy Laser 10kW P-HEL 2 OA													4															
High Energy Laser 20kW P-HEL 3 Deployment									3																			
High Energy Laser 20kW P-HEL 3 OA													5															
High Power Microwave Ground Increment 2 (Solid State) Pr...																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
High Power Microwave Ground Increment 2 (Solid State) Pr...																												
Joint Common Electronic Warfare Development																												
Joint Common Electronic Warfare Test & Evaluation																												
Low Collateral Effects Interceptor Increment 2 Design an...																												
Low Collateral Effects Interceptor Increment 2 Test & Ev...																												
NinjaNet Prototype Development																												
NinjaNet Prototype Cyber Assessment																												
NinjaNet Prototype Operational Assessment																												
Software Defined Radio Identification Enhancement Design...																												
Software Defined Radio Identification Enhancement Develo...																												
Advanced Kinetic Defeat Preliminary Engineering Design																												
High Energy Laser Software Development																												
High Energy Laser Spares Purchase																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029											
	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								
High Energy Laser Test Support																																				
High Energy Laser Analysis & Evaluation																																				
High Energy Laser System Training																																				
Advanced Kinetic Defeat Prototype System Development																																				
Advanced Kinetic Defeat Prototype Operational Assessment																																				

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
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
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
Command and Control Decision Aids Prototyping	2	2022	2	2026
High Energy Laser Operational Data Collection	1	2023	2	2025
High Energy Laser 10kW P-HEL 1 OA	4	2023	4	2023
High Energy Laser 10kW P-HEL 2 Deployment	4	2023	4	2023
High Energy Laser 10kW P-HEL 2 OA	2	2024	2	2024
High Energy Laser 20kW P-HEL 3 Deployment	4	2023	4	2023
High Energy Laser 20kW P-HEL 3 OA	2	2024	2	2024
High Power Microwave Ground Increment 2 (Solid State) Prototype Development	1	2024	4	2025
High Power Microwave Ground Increment 2 (Solid State) Prototype Test & Evaluation	4	2025	4	2025
Joint Common Electronic Warfare Development	4	2023	3	2024
Joint Common Electronic Warfare Test & Evaluation	4	2024	4	2024
Low Collateral Effects Interceptor Increment 2 Design and Development	1	2023	4	2024
Low Collateral Effects Interceptor Increment 2 Test & Evaluation	3	2024	4	2024
NinjaNet Prototype Development	1	2024	1	2025
NinjaNet Prototype Cyber Assessment	1	2025	1	2025
NinjaNet Prototype Operational Assessment	1	2025	1	2026
Software Defined Radio Identification Enhancement Design Study	1	2023	3	2023

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army **Date:** March 2024

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>
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Events	Start		End	
	Quarter	Year	Quarter	Year
Software Defined Radio Identification Enhancement Development and Integration	3	2023	4	2024
Advanced Kinetic Defeat Preliminary Engineering Design	1	2025	4	2025
High Energy Laser Software Development	1	2025	1	2025
High Energy Laser Spares Purchase	2	2025	2	2025
High Energy Laser Test Support	3	2025	3	2025
High Energy Laser Analysis & Evaluation	3	2025	4	2025
High Energy Laser System Training	4	2025	4	2025
Advanced Kinetic Defeat Prototype System Development	1	2025	4	2028
Advanced Kinetic Defeat Prototype Operational Assessment	2	2028	3	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
CQ6: <i>C-sUAS Joint Enabling Capabilities Development</i>	-	8.557	20.979	21.193	-	21.193	21.222	21.251	21.953	22.564	0.000	137.719
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 evolving s-UAS threats and new environments to which systems must be deployed.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Common Test Range</p> <p>Description: Execution of Joint Counter-small Unmanned Aircraft Systems Office (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 CsUAS technology is adequately assessed against a realistic environment and deliver reliable capabilities to the warfighter. These advances in ranges will support the Department of Defense testing activities for C-sUAS 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>	2.630	-	-
<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 2025 Plans: Continue the execution of joint studies to explore promising concepts and enabling technologies. Activities may include analysis, studies, experimentation, modeling and simulation, virtual prototyping, and workshops. Study topics are aligned to the identified</p>	0.766	-	0.378

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
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 2023	FY 2024	FY 2025
joint capability gaps that include mass attack/swarm, group 3 one-way attack threats, kinetic defeat technologies, and command and control advancements. FY 2024 to FY 2025 Increase/Decrease Statement: FY2025 change reflects JCO governance decisions to prioritize joint studies that will inform approaches to joint solutions development.				
Title: Joint Assessments and Demonstrations 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. 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. FY 2024 to FY 2025 Increase/Decrease Statement: FY2025 decrease of \$20.979 million reflects separation of Joint Assessments and Demonstrations into two distinct programs to delineate cost between them going forward. These two distinct programs are "Joint Prototype Assessments" and "Joint C-sUAS Demonstrations".		5.161	20.979	-
Title: Joint Prototype Assessments Description: Execute operational assessments of joint applicable prototypes to explore new concepts and new applications of existing systems. Prototype assessments conducted in relevant operational environment will enable and inform limited prototype procurements to consider for transition to acquisition programs of record. FY 2025 Plans: Continue the execution of prototype assessments of joint applicable C-sUAS technologies in relevant operational environment. Prototypes developed under joint investment will be assessed to determine performance effectiveness and efficiency against emerging threats identified by the JCO and the Executive Agent C-sUAS Governance process. Prototype assessments will inform and enable limited prototype procurements. FY 2024 to FY 2025 Increase/Decrease Statement:		-	-	14.680

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
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 2023	FY 2024	FY 2025
The increase of \$14.680 million reflects realignment of "Joint Assessments and Demonstrations" as "Joint Prototype Assessments" and "Joint C-sUAS Demonstrations". Separating the prototype assessments from Joint C-sUAS Demonstrations will provide clear context and scope to the purpose of assessments vs. demonstrations.				
<p>Title: Joint C-sUAS Demonstrations</p> <p>Description: Execute demonstrations of new industry C-sUAS technologies 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 2025 Plans: Continue the JCO's capacity to conduct demonstrations and tests of mature Industry solutions with potential for joint applicable C-sUAS capabilities. Industry demonstrations focus topics will be informed by prioritized joint C-sUAS capability gaps. Demonstration events will enhance the ability to transition Industry-developed capabilities towards prototypes and/or system development for further assessments in relevant operational environment.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: The increase of \$6.135 million reflects realignment of "Joint Assessments and Demonstration" into "Joint Prototype Assessments" and "Joint C-sUAS Demonstrations". Separating the Joint C-sUAS Demonstrations from prototype assessments will provide clear context and scope to the purpose of assessments vs. demonstrations.</p>		-	-	6.135
Accomplishments/Planned Programs Subtotals		8.557	20.979	21.193
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 2025 Army												Date: March 2024				
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								
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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		-		0.378		-		0.378	Continuing	Continuing	Continuing	
Subtotal			3.310	0.766		-		0.378		-		0.378	Continuing	Continuing	N/A	
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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		-		-		-	Continuing	Continuing	Continuing	
Joint Prototype Assessment	TBD	Various : Various	-	-		-		14.680		-		14.680	Continuing	Continuing	Continuing	
Joint C-sUAS Demonstration	TBD	Various : Various	-	-		-		6.135		-		6.135	Continuing	Continuing	Continuing	
Subtotal			3.520	5.161		20.979		20.815		-		20.815	Continuing	Continuing	N/A	
Project Cost Totals			10.350	8.557		20.979		21.193		-		21.193	Continuing	Continuing	N/A	
Remarks																

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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>

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Common Test Range	[Redacted]				[Redacted]																							
	Common Test Range assessments																											
Joint Studies	[Redacted]				[Redacted]																							
	Joint Studies execution																											
Joint Demonstration	[Redacted]																											
	Joint Demonstration																											
Joint Prototype Assessments					[Redacted]				[Redacted]				[Redacted]				[Redacted]				[Redacted]							
					Joint Prototype Assessments																							
Joint Demo #4				[Redacted]																								
				Joint Demo #4																								
Joint Demo #5								[Redacted]																				
								Joint Demo #5																				
Joint Demo #6												[Redacted]																
												Joint Demo #6																
Joint Demo #7																[Redacted]												
																Joint Demo #7												
Joint Demo #8																				[Redacted]								
																				Joint Demo #8								
Joint Prototype Assessment (LCEI)								[Redacted]																				
								Joint Prototype Assessment (LCEI)																				
Joint Prototype Assessment (CaaS)								[Redacted]																				
								Joint Prototype Assessment (CaaS)																				
Joint Prototype Assessment (MDL - Phase 1)												[Redacted]																
												Joint Prototype Assessment (MDL Phase 1)																
Joint Prototype Assessment (SAM)												[Redacted]																
												Joint Prototype Assessment (SAM)																

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army			Date: March 2024
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 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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 Prototype Assessment (HPM - JESTER)													[REDACTED]															

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
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
Common Test Range	1	2022	4	2023
Joint Studies	1	2022	4	2023
Joint Demonstration	1	2022	4	2029
Joint Prototype Assessments	2	2024	1	2030
Joint Demo #3	3	2022	3	2022
Joint Demo #4	3	2023	3	2023
Joint Demo #5	3	2024	3	2024
Joint Demo #6	3	2025	3	2025
Joint Demo #7	3	2026	3	2026
Joint Demo #8	3	2027	3	2027
Joint Prototype Assessment (LCEI)	2	2024	3	2025
Joint Prototype Assessment (CaaS)	3	2024	3	2025
Joint Prototype Assessment (MDL - Phase 1)	1	2025	3	2025
Joint Prototype Assessment (SAM)	1	2025	4	2025
Joint Prototype Assessment (HPM - JESTER)	1	2026	4	2026