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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2022 Defense Counterintelligence and Security Agency **Date:** May 2021

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0305128V I <i>Security and Investigative Activities</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	0.000	2.400	5.700	8.800	-	8.800	-	-	-	-	Continuing	Continuing
000: <i>Social Media Monitoring</i>	0.000	2.400	5.700	8.800	-	8.800	-	-	-	-	Continuing	Continuing

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

Starting in FY 2022, the DCSA Vetting Risk Operations Center (VROC) incorporates a Publicly Available Electronic Information (PAEI) program to include social media monitoring as a national-level requirement under Trusted Workforce 2.0 and fulfills the Secretary of Defense’s imperative to leverage PAEI to identify domestic extremism, prior to and during an individual’s DoD affiliation. Leveraging PAEI also fulfills the Secretary’s requirements to improve the vetting of International Military Students who intend to or are currently receiving training within the continental U.S. The investment develops scraping, monitoring, and analysis tools for PAEI, such as social media, in support of national security eligibility determinations.

PAEI has proven a high volume but unique data source to identify key behaviors that are potentially derogatory under the Allegiance, Foreign Influence, Foreign Preference, and Personal Conduct guidelines of the National Security Adjudication Guidelines. Data received from PAEI is often not found anywhere else in the course of the personnel vetting cycle. To utilize PAEI within the Department, on a national security population of ~3.6M individuals, the Department is developing a scalable, cost-effective, and automated capability. A PAEI investment will deliver a capability flexible to changing cultural conditions, policy requirements, and emerging threats, while simultaneously able to constantly monitor millions of people on hundreds of social media platforms with billions of individual data points, aggregate and curate that data, identify potential risk, and seamlessly provide notification in a digestible analytical product to a human for risk mitigation.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>
Previous President's Budget	2.400	5.700	8.800	-	8.800
Current President's Budget	2.400	5.700	8.800	-	8.800
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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**Exhibit R-2A, RDT&E Project Justification:** PB 2022 Defense Counterintelligence and Security Agency **Date:** May 2021

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305128V / Security and Investigative Activities	<b>Project (Number/Name)</b> 000 / Social Media Monitoring
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
000: Social Media Monitoring	0.000	2.400	5.700	8.800	-	8.800	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Starting in FY 2022, the Vetting Risk Operations Center (VROC) incorporates a Publicly Available Electronic Information (PAEI) program to include social media monitoring as a national-level requirement under Trusted Workforce 2.0 and fulfills the Secretary of Defense’s imperative to leverage PAEI to identify domestic extremism, prior to and during an individual’s DoD affiliation. Leveraging PAEI also fulfills the Secretary’s requirements to improve the vetting of International Military Students who intend to or are currently receiving training within the continental U.S. The investment develops scraping, monitoring, and analysis tools for PAEI, such as social media, in support of national security eligibility determinations. PAEI has proven a high volume but unique data source to identify key behaviors that are potentially derogatory under the Allegiance, Foreign Influence, Foreign Preference, and Personal Conduct guidelines of the National Security Adjudication Guidelines. Data received from PAEI is often not found anywhere else in the course of the personnel vetting cycle. To utilize PAEI within the Department, on a national security population of ~3.6M individuals, the Department is developing a scalable, cost-effective, and automated capability. A PAEI investment will deliver a capability flexible to changing cultural conditions, policy requirements, and emerging threats, while simultaneously able to constantly monitor millions of people on hundreds of social media platforms with billions of individual data points, aggregate and curate that data, identify potential risk, and seamlessly provide notification in a digestible analytical product to a human for risk mitigation.

The Risk Rating Tool (RRT) identifies individuals with high risk stressors mapped to the 13 Adjudicative guidelines. Use of the Risk Rating Tool for case management and enrollment into High, Medium, Low Continuous Vetting Tier management is projected to generate cost avoidance in data acquisition by focusing resources on high risks rather than a randomly selected process. Execution of small scale prototypes or pilots will facilitate demonstrating value added before full scale integration, ensuring funds are not executed on an effort that cannot scale or meet all requirements. The Risk Rating Tool funds the development of data focused on individuals demonstrating high risk behaviors as identified by machine learning modeling approaches.

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

	FY 2020	FY 2021	FY 2022
<b>Title:</b> Social Media Monitoring	2.400	5.700	8.800
<b>Description:</b> Starting in FY 2022, the VROC incorporates a Publicly Available Electronic Information (PAEI) program to include social media monitoring as a national-level requirement under Trusted Workforce 2.0 and fulfills the Secretary of Defense’s imperative to leverage PAEI to identify domestic extremism, prior to and during an individual’s DoD affiliation. Leveraging PAEI also fulfills the Secretary’s requirements to improve the vetting of International Military Students who intend to or are currently receiving training within the continental U.S. The investment develops scraping, monitoring, and analysis tools for PAEI, such as social media, in support of national security eligibility determinations.			
<b>FY 2021 Plans:</b>			

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<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305128V / <i>Security and Investigative Activities</i>	<b>Project (Number/Name)</b> 000 / <i>Social Media Monitoring</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<p>1. RRT. Continue development of RRT models with integration of results in future system of use with the National Background Investigation System.</p> <p>2. Establishment of a Research &amp; innovation Fund for Behavioral Research and policy impacts/recommendations as well as state of the art testing and evaluation of capabilities that can support continuous vetting and provide cost savings</p> <p><b>FY 2022 Plans:</b> Funds development of automated PAEI scraping, stratification, and analysis of PAEI data. Funds graphical user interface to support case management processes, user experience, and efficient analysis and decision-making. Funds the creation and maturation of artificial intelligence to increase automated capabilities. Funds interconnectivity with various government systems to ensure seamless and timely flow of PAEI data and analysis.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> The increase from FY21 is a realignment of funding from O&amp;M to fund the development and fielding of an automated platform capable of monitoring publicly available social media activities of the highest risk cleared population, while supporting the vetting of both military accessions and international military students.</p>			
<b>Title:</b> NA	0.000	-	-
<b>Accomplishments/Planned Programs Subtotals</b>	2.400	5.700	8.800

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2022 Defense Counterintelligence and Security Agency		<b>Date:</b> May 2021
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FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>Risk Rating Tool</b>	
Production and Deployment	
<b>Social Media Monitoring</b>	
Production and Deployment	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2022 Defense Counterintelligence and Security Agency		<b>Date:</b> May 2021
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Risk Rating Tool</i></b>				
Production and Deployment	3	2020	4	2021
<b><i>Social Media Monitoring</i></b>				
Production and Deployment	2	2022	3	2024