Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army											Date: March 2019	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 6: *RDT&E Management Support*						**R-1 Program Element (Number/Name)** PE 0606003A *I CounterIntel and Human Intel Modernization*						
COST ($ in Millions)	**Prior Years**	**FY 2018**	**FY 2019**	**FY 2020 Base**	**FY 2020 OCO**	**FY 2020 Total**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**Cost To Complete**	**Total Cost**
Total Program Element	-	0.000	2.636	1.050	1.875	2.925	2.064	2.625	2.091	2.057	0.000	14.398
FI9: *Counterl Intel and Human Intel Modernization*	-	0.000	2.636	1.050	1.875	2.925	2.064	2.625	2.091	2.057	0.000	14.398

A. Mission Description and Budget Item Justification

The Counterintelligence (CI) and Human Intelligence (HUMINT) Modernization Program Element (PE) supports ongoing rejuvenation and development of new critical CI and HUMINT systems, applications, tools, equipment, and capabilities necessary to defeat foreign intelligence, international terrorist, and insider threats while enhancing our HUMINT collection capability. The required tools provide Army and DoD leadership, commanders, and warfighters the intelligence necessary for making advantageous operational planning, policies, and timely decisions. Modernization of these systems is a core component of ensuring overmatch on current and future battlefields. Beginning in Fiscal Year (FY) 2019, funding for these efforts was transferred to PE 0606003 / Project FI9 (Counter Intel and Human Intel Modernization) from PE 0303028A (INTEL SPT TO FORCE XXI) / Project FG2 (Counterintelligence & Human Intel Modernization).

Lines of effort include the following:

The Joint Service Counter C4ISR Initiative conducts technical analyses and research focused on centers of gravity within the C4ISR architecture of adversary weapon systems that enable successful kinetic and non-kinetic engagements. The Army will use the intelligence provided from this effort to inform the development of offensive cyber and advanced electronic warfare capabilities against adversaries as well as countermeasure development against key adversary weapon systems.

Army HUMINT collection conducted through all phases of the operational spectrum in order to provide DoD Commanders, Planners, and Decision Makers valuable insight of the capabilities, intentions, or activities of foreign governments or elements thereof, foreign operations, foreign persons, and international terrorism organizations. Also provides advance HUMINT training using Nationally validated courses, standardized practices, and proven Tactics, Techniques, and Procedures.

The Battlefield Information Collection and Exploitation Systems (BICES) Geospatial Intelligence (GEOINT) Web Presence will resource contractor development to deliver software to provide data interoperability between U.S. and BICES networks for GEOINT finished products. The software will provide releasable intelligence data to coalition users that support and partner with US forces to accomplish US policy goals in theater.

GEOINT Rapid Development will resource contractor development and testing to deliver new GEOINT capabilities to the Army. Tasked work considers current warfighter intelligence gaps and develops potential solutions using tried and untried methodologies for collection, processing, and analysis alongside mission partner programs. The team then validates and tests approaches and delivers the techniques to the warfighter-supporting analyst team to support operations.

Intelligence Needs Integration will resource contractor design, software development, and testing to populate ground component intelligence needs to external intelligence needs systems and provide the results to the ground component customers. Non-Army analysts can then provide intelligence using approaches not currently provided by the Army, giving the ground commander a greater resolution.

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army	Date: March 2019
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0606003A *I CounterIntel and Human Intel Modernization*

The GEOINT Product Catalog will resource contractor design, software development, testing and integration. The delivered software will provide analysts and requirements managers a guided, quick reference tool to choose from the hundreds GEOINT approaches available to close their intelligence gaps.

B. Program Change Summary ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	0.000	2.636	2.685	-	2.685
Current President's Budget	0.000	2.636	1.050	1.875	2.925
Total Adjustments	0.000	0.000	-1.635	1.875	0.240
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-1.635	1.875	0.240

Change Summary Explanation

FY20 requirements have been split between Base and OCO. OCO portion is assigned to United States Central Command (CENTCOM), Operation Inherent Resolve (OIR).

Exhibit R-2A, **RDT&E Project Justification:** PB 2020 Army										**Date:** March 2019	
Appropriation/Budget Activity 2040 / 6				**R-1 Program Element (Number/Name)** PE 0606003A / *CounterIntel and Human Intel Modernization*				**Project (Number/Name)** FI9 / *Counterl Intel and Human Intel Modernization*			
COST ($ in Millions)	**Prior Years**	**FY 2018**	**FY 2019**	**FY 2020 Base**	**FY 2020 OCO**	**FY 2020 Total**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**Cost To Complete**	**Total Cost**
FI9: *Counterl Intel and Human Intel Modernization*	-	0.000	2.636	1.050	1.875	2.925	2.064	2.625	2.091	2.057	0.000	14.398
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Counterintelligence (CI) and Human Intelligence (HUMINT) Modernization Program Element (PE) supports ongoing rejuvenation and development of new critical CI and HUMINT systems, applications, tools, equipment, and capabilities necessary to defeat foreign intelligence, international terrorist, and insider threats while enhancing our HUMINT collection capability. The required tools provide Army and DoD leadership, commanders, and warfighters the intelligence necessary for making advantageous operational planning, policies, and timely decisions. Modernization of these systems is a core component of ensuring overmatch on current and future battlefields. Beginning in Fiscal Year (FY) 2019, funding for these efforts was transferred to PE 0606003 / Project FI9 (Counter Intel and Human Intel Modernization) from PE 0303028A (INTEL SPT TO FORCE XXI) / Project FG2 (Counterintelligence & Human Intel Modernization).

Lines of effort include the following:

The Joint Service Counter C4ISR Initiative conducts technical analyses and research focused on centers of gravity within the C4ISR architecture of adversary weapon systems that enable successful kinetic and non-kinetic engagements. The Army will use the intelligence provided from this effort to inform the development of offensive cyber and advanced electronic warfare capabilities against adversaries as well as countermeasure development against key adversary weapon systems.

The Battlefield Information Collection and Exploitation Systems (BICES) Geospatial Intelligence (GEOINT) Web Presence will resource contractor development to deliver government-owned software. This software provides data interoperability between U.S. and BICES networks fro GEOINT data. The software will select, transmit, and integrate intelligence data across existing Cross Domain Transfer devices between systems on U.S. and the 10+ BICES networks.

GOTCHA (radar imagery) GEOINT Integration will resource contractor development and testing to deliver new GEOINT capabilities to the Army. Tasked work includes rapid research, validation and test activities based on non-traditional collectors and collector phenomenology to deliver non-traditional GEOINT to the warfighter based on special collections. Development activities will include software deliveries to existing enterprise workflow services to incorporate the new techniques being delivered to the National System for Geospatial Intelligence (NSG).

National Geospatial-Intelligence Agency (NGA) Systems to Military Intelligence Programs (MIP) will resource contractor design, software development, and testing. The delivered software will integrate analyst process status with NGA enterprise systems for Army GEOINT missions.

The GEOINT Product Catalog will resource contractor design, software development, testing and integration. The delivered software will provide analysts and requirements managers a guided, quick reference tool to identify GEOINT approaches needed to close intelligence gaps.

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0606003A / *CounterIntel and Human Intel Modernization*		**Project (Number/Name)** FI9 / *Counterl Intel and Human Intel Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: Counterintelligence Activities	-	2.636	1.050	1.875	2.925
Description: The CI and HUMINT Modernization Project supports ongoing rejuvenation and development of new critical CI and HUMINT systems, applications, tools, equipment, and capabilities necessary to defeat the foreign intelligence, international terrorist, and insider threats while enhancing our HUMINT collection capability. The required tools provide Army and DoD leadership, commanders, and warfighters the intelligence necessary for making advantageous operational planning, policies, and timely decisions.					
FY 2019 Plans: Funding supports development & testing of software code integrating existing and new algorithms to analyze multiple data source to record, identify, sort, and prioritize behaviors indicative of espionage, national security compromises, and other foreign and insider threats. The new, more capable software sets will facility counterintelligence analysis, insider threat detection, counterintelligence investigative focus, and automated exchange and display of critical counterintelligence information.					
FY 2020 Base Plans: Funding supports development & testing of software code integrating existing and new algorithms to analyze multiple data source to record, identify, sort, and prioritize behaviors indicative of espionage, national security compromises, and other foreign and insider threats. The new, more capable software sets will facility counterintelligence analysis, insider threat detection, counterintelligence investigative focus, and automated exchange and display of critical counterintelligence information.					
FY 2020 OCO Plans: The Battlefield Information Collection and Exploitation Systems (BICES) Geospatial Intelligence (GEOINT) Web Presence will resource contractor development to deliver software to provide data interoperability between U.S. and BICES networks for GEOINT finished products. The software will provide releasable intelligence data to coalition users that support and partner with US forces to accomplish US policy goals in theater. GEOINT Rapid Development will resource contractor development and testing to deliver new GEOINT capabilities to the Army. Tasked work considers current warfighter intelligence gaps and develops potential solutions using tried and untried methodologies for collection, processing, and analysis alongside mission partner programs. The team then validates and tests approaches and delivers the techniques to the warfighter-supporting analyst team to support operations.					

Exhibit R-2A, **RDT&E Project Justification:** PB 2020 Army		**Date:** March 2019
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0606003A / *CounterIntel and Human Intel Modernization*	**Project (Number/Name)** FI9 / *CounterI Intel and Human Intel Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	**FY 2018**	**FY 2019**	**FY 2020 Base**	**FY 2020 OCO**	**FY 2020 Total**
Intelligence Needs Integration will resource contractor design, software development, and testing to populate ground component intelligence needs to external intelligence needs systems and provide the results to the ground component customers. Non-Army analysts can then provide intelligence using approaches not currently provided by the Army, giving the ground commander a greater resolution. The GEOINT Product Catalog will resource contractor design, software development, testing and integration. The delivered software will provide analysts and requirements managers a guided, quick reference tool to choose from the hundreds GEOINT approaches available to close their intelligence gaps. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** FY20 increase reflects OCO to Base transfer of requirements.					
Accomplishments/Planned Programs Subtotals	-	2.636	1.050	1.875	2.925

C. Other Program Funding Summary ($ in Millions)
 N/A
Remarks

D. Acquisition Strategy
 N/A

E. Performance Metrics
 N/A