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

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>
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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	-	125.109	104.134	104.024	-	104.024	54.883	48.365	53.936	48.996	Continuing	Continuing
099: <i>Army Human Resource System</i>	-	0.190	15.132	5.680	-	5.680	5.487	5.593	5.599	5.566	0.000	43.247
184: <i>Installation Support Modules</i>	-	13.716	1.324	-	-	-	-	-	-	-	0.000	15.040
193: <i>Medical Communications For Combat Casualty*</i>	-	-	-	-	-	-	4.479	2.759	5.413	2.295	0.000	14.946
BY3: <i>Information Systems for Installations</i>	-	-	1.022	1.024	-	1.024	2.615	2.024	2.216	2.823	0.000	11.724
DH1: <i>Operational Medicine Information System</i>	-	-	-	4.241	-	4.241	-	-	-	-	0.000	4.241
FL9: <i>Army Accessioning IT Development</i>	-	5.183	6.479	2.288	-	2.288	2.337	2.385	2.436	2.487	0.000	23.595
FM7: <i>Human Resouces Information Technology</i>	-	12.497	11.574	11.449	-	11.449	6.941	7.060	9.591	7.301	Continuing	Continuing
FM8: <i>Information Technology for Training Systems</i>	-	60.670	36.893	5.993	-	5.993	1.562	3.275	3.306	3.451	0.000	115.150
FM9: <i>Information Technology for Criminal Investigations</i>	-	1.181	1.273	2.697	-	2.697	1.298	1.313	1.328	1.342	0.000	10.432
T04: <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>	-	8.753	2.221	2.239	-	2.239	2.240	2.242	2.617	2.646	0.000	22.958
T05: <i>Army Business System Modernization Initiatives</i>	-	19.855	24.875	65.143	-	65.143	24.574	18.328	18.007	17.591	0.000	188.373
VR3: <i>ASMIS-R (REPORTIT)</i>	-	3.064	3.341	3.270	-	3.270	3.350	3.386	3.423	3.494	0.000	23.328

\*This project's R-2a exhibit has been suppressed due to funding not beginning until after FY 2024

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

This Program Element is made up of over 30 programs across 12 Program Elements that represents numerous Army Information Technology missions.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	129.380	124.475	57.737	-	57.737
Current President's Budget	125.109	104.134	104.024	-	104.024
Total Adjustments	-4.271	-20.341	46.287	-	46.287
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-20.215			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-4.271	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	46.287	-	46.287
• FFRDC Transfer	-	-0.126	-	-	-

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 184: *Installation Support Modules*

Congressional Add: *Program increase - installation access control technology*

Congressional Add: *Program Increase - Smart installation and community program*

Congressional Add Subtotals for Project: 184

Congressional Add Totals for all Projects

	<b>FY 2022</b>	<b>FY 2023</b>
	4.500	-
	8.000	-
Congressional Add Subtotals for Project: 184	12.500	-
Congressional Add Totals for all Projects	12.500	-

**Change Summary Explanation**

Increase in FY 2024 funding request from Previous President's Budget to Current President's Budget reflects the implementation of Enterprise Business Systems - Convergence (EBS-C).

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
099: <i>Army Human Resource System</i>	-	0.190	15.132	5.680	-	5.680	5.487	5.593	5.599	5.566	0.000	43.247
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Army Human Resource System Project (099) contains the following programs: ArmyIgnitED Modernization managed by the Human Resource Command, Commanders Risk Reduction Dashboard managed by Program Executive Office Enterprise Information Systems (PEO EIS) and Regional Level Applications Software (RLAS) managed by United States Army Reserves (USAR).

ArmyIgnitED: In support of recruiting and retention for a more educated workforce, ArmyIgnitED is an Army Credentialing and Continuing Education Services for Soldiers (ACCESS) program, 24/7 virtual financial management portal, and decision-support tool for 1) Active Duty, US Army Reserves and Army National Guard Soldiers to request Tuition Assistance (TA); 2) Cadets to request Scholarship payments and 3) Department of the Army (DA) Civilians and Apprentices to request professional development funds. ArmyIgnitED is an enterprise system that enforces eligibility for higher education funds and creates efficiencies with its automated processes. Soldiers, Scholarship Cadets, DA Civilians and Apprentices use it to pursue post-secondary educational goals and professional development objectives; Army Education Counselors use it to provide educational guidance; Career Program Managers and Training Managers use it to manage civilian training; and Academic Institutions use it to deliver degree and course offerings and to report user progress and degree completions for 206K Soldiers, Cadets and Civilians. ArmyIgnitED includes an automated registration tool that enforces policies and procedures, serves as a financial feeder for automated financial transactions, tracks academic / training progress within the system, and provides visibility of financial management and regulatory compliance of enrollment processes. ArmyIgnitED is hosted in the Air Force's Amazon Web Services (AWS) GovCloud until migration to an Army Cloud environment is decided, funded, and implemented.

The United States Army Reserve (USAR) utilizes the Regional Level Application Software (RLAS) as an enterprise system for duty attendance, military pay, Soldier records management and training calendar management to access, transact, store, and manage Soldier and unit data required to conduct synchronized USAR operations. Unlike the Army Active Component (AC) where Soldier military pay is centrally managed and input at the installation level, the USAR utilizes RLAS to manage and input decentralized Soldier pay transactions at the unit level. RLAS consists of four modules: Pay, Personnel, Training, and Resource Management. Research and Development (R&D) authority and funding will provide RLAS with investment funds for necessary system development and system modifications. R&D funding amounts increase slightly towards the end of RLAS lifecycle (FY 2019 and 2020) in order to fully support the Integrated Pay and Personnel System - Army (IPPS-A) transition. Annually, USAR will provide sustainment funding. R&D authority and sustainment funding will meet the USAR Staff Judge Advocate (SJA) and Office of the Secretary of Defense Judge Advocate General (OTJAG) opinions regarding defense information Technology (IT) system for R&D activities. Necessary RLAS system development and system modifications include: 1) IPPS-A interface requirements; 2) implementing Microsoft .net Framework 4.5 standards; 3) implementing new Operating Systems (OS), system utilities and other technology products. Enhanced development and modification to RLAS will improve RLAS system capabilities and bring RLAS into compliance with various Army Cyber Command (ARCYBER) and audit readiness requirements. RLAS will continue to process duty attendance, military pay, Soldier personnel transactions and training calendars until the system is fully subsumed by IPPS-A.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>
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Commanders Risk Reduction Dashboard (CRRD) has been transitioned to the Army Vantage (T05).

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

	FY 2022	FY 2023	FY 2024
<p><b>Title:</b> ArmyIgnitED</p> <p><b>Description:</b> ArmyIgnitED is an IT financial management portal and decision support tool for Soldiers, Cadets, and Civilians to request Tuition Assistance (TA) and Credentialing Assistance (CA), Cadets to request Scholarship payments, and Army Civilians to request training funds online, anytime, for classroom, distance learning, and college courses. When fully deployed, ArmyIgnitED will be used by approximately 500,000 end users at both Continental United States (CONUS) and Outside the CONUS (OCONUS) locations. It will be the Army's single, next-generation, enterprise-wide TA, CA, and reimbursement management software system. The legacy system has been decommissioned. In support of recruiting and retention for a more educated workforce, ArmyIgnitED is the virtual financial management portal and decision-support tool for 1) Active Duty (AD), US Army Reserves (USAR), and Army National Guard (ARNG) Soldiers to request TA; 2) Cadets to request Scholarship payments and 3) Department of the Army (DA) Civilians and Apprentices to request professional development funds. ArmyIgnitED is hosted as an application on the Air Force (AF) Automated Education Management System (AFAEMS) Government Off the Shelf (GOTS) solution.</p> <p>Development maximizes re-configuration of the Air Force Voluntary Education platform, AFAEMS, to the greatest extent possible and performing only minimal necessary modifications to ensure implementation of Army laws, policies, regulations, and directives (LPRDs). Continuous Integration / Continuous Delivery (CI/CD) principals are employed to deliver capabilities in a series of Minimally Viable Products (MVP), each building the capability in the new system. MVP 1, which deployed AUG 2022, provides Solder TA capabilities and Soldier Personnel data. Government testing, to include Functional Assessments (FA) and Government Acceptance Testing (GAT) validated requirements were satisfactory. Migration of historical data from both GoArmyEd and the legacy ArmyIgnitED into the new ArmyIgnitED system initiated in MVP 1.</p> <p>CI/CD continues with MVP 2 deployed capabilities to Soldier CA (MVP2A) in OCT 2022, Cadet scholarships (MVP2B) in DEC 2022, and Civilian TA/CA capabilities (MVP2C) is scheduled for JUN 2023. MVP 2 includes establishing eight (8) interfaces to inform and enable the new capability. MVP 3 provides new capabilities and enhancements not possible in the rapid "MVP" development timeline. Following the CI/CD model, MVP 3 will deliver enhancements as they become available and are fully tested.</p> <p><b>FY 2023 Plans:</b></p> <p>Continuous Improvement and Continuous Delivery (CI/CD) of ArmyIgnitED functionality includes Credentialing Assistance, CA (MVP2A) which was deployed in OCT 2022. MVP2A consisted of the Development, and Gov Testing of the CA functionality and the approved Limited Deployment (LD) of the ArmyIgnitED CA functionality. Cadet scholarships assistance (MVP2B) was deployed DEC 2022. MVP2B consisted of the Development, Gov Testing of the Cadet scholarship assistance functionality, and the approved LD of the ArmyIgnitED Cadet scholarship functionality. Civilian Training assistance TA/CA capabilities (MVP2C) is</p>	-	13.956	5.123

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<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>scheduled to deploy JUN 2023. MVP2C will consist of the Development, Gov Testing and the approved LD of the ArmyIgnitED Civilian Training assistance and TA/CA capabilities.</p> <p><b>FY 2024 Plans:</b> Following the planned MVPs, ArmyIgnitED will enter a Capability Support phase. During this time, some additional capabilities will be added, and enhancements will occur as more interfaces, business processes, and features are automated. The Agile methodology and CI/CD implementation approach will continue for both maintenance and enhancements. ArmyIgnitED will be frequently updated in rapid fashion and responsive to emerging needs, to include adding / updating functionality as requirements evolve due to ever-changing Laws, Policies, Regulations, and Directives, business process reengineering, efficiency reviews, new capabilities identified given emerging mission needs and technology advancements that offer business process efficiencies, and Army Enterprise modernization. Capability enhancements are defined as functionalities that have been identified but will have to be developed and tested in the future. Such capabilities include but are not limited to the additional interfaces; Army Career Tracker (ACT); Defense Civilian Personnel Data System (DCPDS), Joint Service Transcript (JST), Accessions Information Environment (AIE) and the Defense Activity Non-Traditional Education Support (DANTES) OSD Rates being integrated into ArmyIgnitED. The Capability Enhancements will benefit specific functional users such as developing the FY Funding dashboard which will support TA and CA and also enhancements which will benefit all functional users of the system such as the update to Help Desk capabilities. Residual data migration may also be necessary.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY 2024 decrease in RDT&amp;E funds due to completion of system development and transition to capability support.</p>				
<p><b>Title:</b> Regional Level Application Software (RLAS)</p> <p><b>Description:</b> The United States Army Reserve (USAR) utilizes the Regional Level Application Software (RLAS) as an enterprise system for duty attendance, military pay, Soldier records management and training calendar management to access, transact, store and manage Soldier and unit data required to conduct synchronized USAR operations. Unlike the Army Active Component (AC) where Soldier military pay is centrally managed and input at the installation level, the USAR utilizes RLAS to manage and input decentralized Soldier pay transactions at the unit level. RLAS consists of four modules: Pay, Personnel, Training, and Resource Management. R&amp;D authority and funding will meet the USAR Staff Judge Advocate (SJA) and Office of the Secretary of Defense Judge Advocate General (OTJAG) opinions regarding defense information Technology (IT) system for R&amp;D activities. Necessary RLAS system development and system modifications include: 1) Integrated Pay and Personnel System - Army (IPPS-A) interface requirements; 2) implementing Microsoft .net Framework 4.5 standards; 3) implementing new Operating Systems (OS), system utilities and other technology products. Enhanced development and modification will improve RLAS system capabilities and bring RLAS into compliance with various Army Cyber Command (ARCYBER) and audit readiness requirements.</p>		0.190	0.624	0.557

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> Funding provides for continued development of enhanced audit logging processes, open source code solutions and system user security controls. Funding also provides for continued system transition to cloud platform hosting environment.</p> <p><b>FY 2024 Plans:</b> - Enhancement of Cloud sustainment - Implementation and interface solutions for IPPS-A/RLAS - Maintain RLAS Legacy Application - Further develop audit standards for RLAS Application access and segregation of duties</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Minimal funding decrease</p>			
<p><b>Title:</b> SBIR/STTR</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>	-	0.552	-
<b>Accomplishments/Planned Programs Subtotals</b>	0.190	15.132	5.680

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• OMA - ArmyIgnitED: <i>ArmyIgnitED Management</i>	-	16.983	16.161	-	16.161	16.263	16.506	16.849	17.151	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**  
ArmyIgnitED is the Army's instantiation of an existing, mature, Air Force Government off the shelf (GOTS) solution, Air Force Automated Education Management System (AFAEMS), that will be updated to ensure (1) compliance with Army LPRDs, and (2) data exchange with Army system partners, to provide TA and CA management functionality for use by Army Soldiers, Cadets, and Civilians. The Program Manager makes extensive use of Integrated Product Teams (IPTs). Sub-elements of the

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<p>acquisition (engineering and design, logistics planning, testing, etc.) are intensively managed by integrated teams of government and contractor personnel. Task performance is tracked against the Work Breakdown Structure (WBS) and resources allocated to each task are adjusted based on performance against the WBS.</p> <p>Some additional ArmyIgnitED capabilities will be added and enhancements will occur as more interfaces, business processes, and features are automated. The Agile development methodology and CI/CD process will continue for both maintenance and enhancements to ensure ArmyIgnitED is frequently updated in response to emerging needs, to include adding / updating functionality as requirements evolve due to ever-changing Laws, Policies, Regulations, and Directives, and more Army Enterprise operations are integrated. Residual data migration may also be necessary. The overarching acquisition strategy is to deliver incremental capabilities; developed and delivered through a series of MVPs prioritized to overcome legacy system deficiencies which caused significant payment issues and loss of capability to Soldiers, Civilians, and Cadets. ArmyIgnitED will extend the current Air Force Task Order and then transition to an Army Contracting Command (ACC) managed, two-year, hybrid Firm Fixed Price &amp; Time and Materials software support and development contract through July 2025</p> <p>RLAS - Will utilize GSA contract support to solicit FY 2020/2021 two-year software support &amp; development contract - hybrid Firm Fixed Price &amp; Time and Materials. RLAS will utilize GSA contract support to solicit FY 2021/2022/2023 three-year software support &amp; development contract - hybrid Firm Fixed Price &amp; Time and materials. RLAS will utilize existing USAR G6 hardware / servers / virtual environment / Active Directory / level 1-2 help desk / utility software / OS / DB / and other necessary hardware and devices as needed to operate the RLAS system.</p>		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / Information Technology Development	<b>Project (Number/Name)</b> 099 / Army Human Resource System
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<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		0.552		-		-		-	0.000	0.552	-
<b>Subtotal</b>			-	-		0.552		-		-		-	0.000	0.552	N/A

<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
AHRS - ECPs/SCPs/ICPs/RLAS	C/FFP	Hewlett Packard : various	90.529	0.190		0.624		0.555		-		0.555	Continuing	Continuing	-
Army IgnitED	C/FFP	TBD : Various	17.800	-		13.956		5.125		-		5.125	Continuing	Continuing	-
<b>Subtotal</b>			108.329	0.190		14.580		5.680		-		5.680	Continuing	Continuing	N/A

**Remarks**  
 Commanders Risk Reduction Dashboard (CRRD) has been transitioned to the Army Vantage (T05).  
  
 ArmyIgnitED - The Program Manager is utilizing an existing contract for development; and an existing SETA contract for PMO acquisition, systems engineering, business process re-engineering, and cybersecurity support services. A follow-on contract for Capability Support will be award by 3QFY23. The program will leverage the Air Force follow-on contract for the GOTS solution being adopted by the Army. Program management functions are being funded with OMA.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	108.329	0.190	15.132	5.680	-	5.680	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>

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	
ArmyIgnitED MVP 1 Development			■																										
ArmyIgnitED MVP 1 Gov Testing			■	■																									
ArmyIgnitED MVP 1 Limited Deployment (LD)/Implementation				■																									
ArmyIgnitED MVP 2a Development			■	■																									
ArmyIgnitED MVP 2a Gov Testing			■	■																									
ArmyIgnitED MVP 2a Limited Deployment / Implementation				■																									
ArmyIgnitED MVP 2b Development				■	■																								
ArmyIgnitED MVP 2b Gov Testing				■	■																								
ArmyIgnitED MVP 2b Limited Deployment / Implementation					■																								
ArmyIgnitED MVP 2c Development					■	■																							
ArmyIgnitED MVP 2c Gov Testing					■	■																							
ArmyIgnitED MVP 2c Limited Deployment / Implementation						■																							
ArmyIgnitED MVP 3 Development						■																							

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
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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
ArmyIgnitED MVP 3 Gov Testing																												
ArmyIgnitED MVP 3 Full Deployment (FD) / Implementation																												
ArmyIgnitED Capability Support																												
Continuous Enhancements (RDT&E)																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
GoArmyEd Support/Enhancements	3	2018	4	2020
Commanders Risk Reduction Dashboard (CRRD) Limited Deployment (LD)	4	2019	4	2019
Commanders Risk Reduction Dashboard (CRRD) Full Deployment (FD)	1	2020	1	2020
Commanders Risk Reduction Dashboard (CRRD) Development	3	2015	2	2020
Commanders Risk Reduction Dashboard (CRRD) - Transition to Army Leader Dashboard	2	2020	3	2020
ArmyIgnitED MVP 1 Development	3	2022	3	2022
ArmyIgnitED MVP 1 Gov Testing	3	2022	4	2022
ArmyIgnitED MVP 1 Limited Deployment (LD)/Implementation	4	2022	4	2022
ArmyIgnitED MVP 2a Development	4	2022	1	2023
ArmyIgnitED MVP 2a Gov Testing	4	2022	1	2023
ArmyIgnitED MVP 2a Limited Deployment / Implementation	1	2023	1	2023
ArmyIgnitED MVP 2b Development	1	2023	2	2023
ArmyIgnitED MVP 2b Gov Testing	1	2023	2	2023
ArmyIgnitED MVP 2b Limited Deployment / Implementation	2	2023	2	2023
ArmyIgnitED MVP 2c Development	2	2023	3	2023
ArmyIgnitED MVP 2c Gov Testing	2	2023	3	2023
ArmyIgnitED MVP 2c Limited Deployment / Implementation	3	2023	3	2023
ArmyIgnitED MVP 3 Development	3	2023	3	2023
ArmyIgnitED MVP 3 Gov Testing	3	2023	3	2023
ArmyIgnitED MVP 3 Full Deployment (FD) / Implementation	3	2023	4	2023
ArmyIgnitED Capability Support	4	2023	4	2028

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army			<b>Date:</b> March 2023	
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>		

Events	Start		End	
	Quarter	Year	Quarter	Year
Continuous Enhancements (RDT&E)	1	2024	4	2028

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
184: <i>Installation Support Modules</i>	-	13.716	1.324	-	-	-	-	-	-	-	0.000	15.040
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This project supports the U.S. Army Coalition Interoperability Assurance and Validation (CIAV) Research Network provides an enduring and agile capability to execute approved processes and provide and maintain a repeatable and persistent infrastructure within the assurance and validation Coalition partner environment designed to ensure the succinct exchange of critical mission data between Mission Partners throughout all phases of military operations and enable the Army's implementation of Mission Partner Environment (MPE) and Combined-Joint All Domain Command and Control. CIAV uses a mission-based interoperability approach to identify capabilities, limitations and associated operational impacts and provides recommendations to improve or resolve information exchange issues between the U.S. Army and its mission partners. Funding facilitates coalition interoperability information exchange issue in compliance with AR 34-1 Multinational Force Interoperability and DODI 8110.01, Mission Partner Environment (MPE) Information Sharing Capability Implementation for the DOD.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Army Behavioral Health Integrated Data Environment	1.216	1.276	-
<b>Description:</b> Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry.			
<b>FY 2023 Plans:</b> FY23 RDTE funding continues support of the Army Behavioral Integrated Data Environment (ABHIDE) registry Database and support the Independent Verification and Validation analysis.			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding decrease is due to the effort being accomplished.			
<b>Title:</b> SBIR/STTR Transfer	-	0.048	-
<b>Description:</b> Funding transferred in accordance with Title 15 USC §638			
<b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638			
<b>Accomplishments/Planned Programs Subtotals</b>	1.216	1.324	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>

	FY 2022	FY 2023
<b>Congressional Add:</b> Program increase - installation access control technology <i>FY 2022 Accomplishments:</i> FY2022 Congressional Add for Installation Access Control Technology	4.500	-
<b>Congressional Add:</b> Program Increase - Smart installation and community program <i>FY 2022 Accomplishments:</i> FY2022 Congressional Add for Smart Installation and Community Program	8.000	-
<b>Congressional Adds Subtotals</b>	12.500	-

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• BE4162: MACOM AUTOMATION SYSTEMS	50.105	46.433	35.014	-	35.014	39.241	39.336	36.449	36.763	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

Installation Support Modules is in Post Deployment Software Support (PDSS). The present concept calls for the use of full and open competition to implement enhancements as defined by the Functional Proponent, Army Chief Information Officer (CIO). Current emphasis is to bring the ISM systems to functional readiness for transfer to an Army Data Center and virtualize the ISM systems.

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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 / 5				PE 0605013A / Information Technology Development				184 / Installation Support Modules								
<b>Management Services (\$ in Millions)</b>				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	TBD : TBD	-	-		0.048		-		-		-	0.000	0.048	-	
<b>Subtotal</b>			-	-		0.048		-		-		-	0.000	0.048	N/A	
<b>Product Development (\$ in Millions)</b>				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	
Army Behavioral Health Integrated Data Environment	C/FFP	various : various	11.952	1.216	Feb 2022	-		-		-		-	Continuing	Continuing	-	
Program increase - installation access control technology	TBD	TBD : TBD	-	4.500		-		-		-		-	0.000	4.500	-	
Program Increase - Smart installation and community program	TBD	TBD : TBD	-	8.000		-		-		-		-	0.000	8.000	-	
<b>Subtotal</b>			11.952	13.716		-		-		-		-	Continuing	Continuing	N/A	
<b>Test and Evaluation (\$ in Millions)</b>				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	
Independent Verification and Validation (IVV) Testing	C/T&M	GDIT Corp : various	12.611	-		1.276		-		-		-	0.000	13.887	-	
<b>Subtotal</b>			12.611	-		1.276		-		-		-	0.000	13.887	N/A	
<b>Project Cost Totals</b>			24.563	13.716		1.324		-		-		-	Continuing	Continuing	N/A	



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>							<b>Date: March 2023</b>						
<b>Appropriation/Budget Activity</b> 2040 / 5				<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>					

FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
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

ISM Post Deployment Software Support	
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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

ISM Post Deployment Software Support	
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ISM Post Deployment Software Support	4	2003	4	2017

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> BY3 / <i>Information Systems for Installations</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
BY3: <i>Information Systems for Installations</i>	-	-	1.022	1.024	-	1.024	2.615	2.024	2.216	2.823	0.000	11.724
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Virtual Testbed for Installation Mission Effectiveness (VTIME) is the Army's planned installation common operating picture, analysis, visualization and planning tool, serving as an integrating and processing hub for numerous Army Installations of the Future (lotF) technologies, supporting users across echelons. VTIME will support the Army installation enterprise with a near real-time common operating picture of data spanning functional areas and offer a modern analytic platform to support Army implementation of the Army Installations Strategy, Army Data Strategy, and Army Business Management Plan. VTIME is a cloud-based solution, being planned and prototyped to adapt and use a combination of commercially available technologies to comprehensively integrate and understand diverse installation data sources. VTIME will provide a novel capability to apply artificial intelligence and machine learning to improve strategic, operational, and tactical installation decision-making, spanning functions such as facility investment planning, space and land assignment, master planning, and Garrison operations. VTIME is being designed to support hybrid-cloud implementations, to offer installations the ability to support operations under network-contested conditions. This integrated and comprehensive tool will allow the senior commander to both maneuver in a complex battlespace by providing the ability to prevent, protect and recover from hazards and enable cost saving through improved decision-making and operational efficiencies, supporting future integrations of emerging lotF technology.

Work is performed by the United States (U.S.) Army Engineer Research and Development Center.

Work in this Project is related to, and fully coordinated with, PE 0605013A (Information Technology Development) and Project T05 (Army Business System Modernization Initiatives).

Work in this Project supports the Army Installations Strategy as a critical enabler (data analytics) for modernization.

Work in this Project complements the Office of the Assistant Secretary of the Army (Installations, Energy & Environment)'s Installations of the Future Program.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Installation Data Source Integration	-	0.881	1.024
<b>Description:</b> This effort serves as the foundation for VTIME analytic, planning and visualization capabilities; this effort identifies, catalogs, acquires, and establishes agreements and protocols for integration of diverse installation enterprise data sources spanning functional areas and echelons. This includes potentially dozens of data sources and programs, including many datasets that lack modern data interfaces.			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> BY3 / <i>Information Systems for Installations</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> FY23 RDTE funding will continue data alignment, transformation, and load activities for near real-time and real-time installation data sources; will adopt standards for user-provided datasets and implement automation support to incorporate into the common operating picture (COP); and will deploy preliminary 'Crawl' VTIME data integration implementation.</p> <p><b>FY 2024 Plans:</b> Will continue data alignment and transformation of emerging data sets. It will continue to develop and incorporate standards for new datasets in the Installations of the Future Program, and implement automation of emerging datasets into the VTIME common operating picture (COP). It will continue deployment of preliminary "Crawl" VTIME data integration implementation.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding increase reflects the planned lifecycle for this effort towards the integration of more complex emerging datasets.</p>				
<p><b>Title:</b> Requirements Definition</p> <p><b>Description:</b> This effort focuses on establishing and documenting formal capability requirements, developing use-cases and implementation architecture for VTIME, and performance measures, in coordination with the other efforts.</p> <p><b>FY 2023 Plans:</b> FY23 RDTE funding will provide continued stakeholder engagements and complete functional requirement definition and update acquisition plans.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding decrease is due to effort accomplishment.</p>		-	0.104	-
<p><b>Title:</b> SBIR/STTR</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>		-	0.037	-
<b>Accomplishments/Planned Programs Subtotals</b>		-	1.022	1.024
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development	Project (Number/Name) BY3 / Information Systems for Installations

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

**Remarks**

N/A

**D. Acquisition Strategy**

N/A

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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 / 5				PE 0605013A / Information Technology Development				BY3 / Information Systems for Installations								
<b>Management Services (\$ in Millions)</b>				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	
Data alignment and transformation	MIPR	ERDC-CERL : Champaign Illinois	-	-		0.363	Oct 2022	0.563	Oct 2023	-		0.563	0.000	0.926	-	
SBIR/STTR	TBD	Various : Various	-	-		0.037		-		-		-	0.000	0.037	-	
<b>Subtotal</b>			-	-		0.400		0.563		-		0.563	0.000	0.963	N/A	
<b>Product Development (\$ in Millions)</b>				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	
Adopt dataset standards	MIPR	ERDC-CERL : Champaign Illinois	-	-		0.326	Oct 2022	0.461	Oct 2023	-		0.461	0.000	0.787	-	
<b>Subtotal</b>			-	-		0.326		0.461		-		0.461	0.000	0.787	N/A	
<b>Support (\$ in Millions)</b>				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	
Stakeholder engagements	MIPR	ERDC-CERL : Champaign Illinois	-	-		0.025	Oct 2022	-		-		-	0.000	0.025	-	
Complete functional requirement definition & update acquisition plans	MIPR	ERDC-CERL : Champaign Illinois	-	-		0.111	Oct 2022	-		-		-	0.000	0.111	-	
<b>Subtotal</b>			-	-		0.136		-		-		-	0.000	0.136	N/A	
<b>Test and Evaluation (\$ in Millions)</b>				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	
Deploy data integration implementation	MIPR	ERDC-CERL : Champaign Illinois	-	-		0.160	Oct 2022	-		-		-	0.000	0.160	-	
<b>Subtotal</b>			-	-		0.160		-		-		-	0.000	0.160	N/A	

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2024 Army							<b>Date:</b> March 2023				
<b>Appropriation/Budget Activity</b> 2040 / 5			<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>			<b>Project (Number/Name)</b> BY3 / <i>Information Systems for Installations</i>					
	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>		
<b>Project Cost Totals</b>	-	-	1.022	1.024	-	1.024	0.000	2.046	N/A		

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date: March 2023</b>		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> BY3 / <i>Information Systems for Installations</i>	

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
Installation Data Source Integration																												
Requirements Definition																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> BY3 / <i>Information Systems for Installations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Installation Data Source Integration	1	2023	4	2027
Requirements Definition	1	2023	4	2023

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
DH1: <i>Operational Medicine Information System</i>	-	-	-	4.241	-	4.241	-	-	-	-	0.000	4.241
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

Operational Medicine Information System is a new start within the Information Technology Development program in FY 2024.

This is a New Start in FY24

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

The Operational Medicine Information System-Army (OMIS-A) is the Army's single Information Management/Information Technology system for automation and digitization efforts for deployable medical forces, providing both Joint Service and Army-specific operational health information technology (OHIT) software to deployable medical care units. The OMIS-A will integrate and interface Force Health Protection and medical surveillance information with Army Mission Command information technology systems. The OMIS-A fulfills the requirements highlighted in United States Code: Title 10, Subtitle A, Part II, Chapter 55, Section 1074f, mandating the proper documentation of deployed Service members' medical treatment to include its associated medical surveillance. The near and mid term effort is the modernization of the Army component of the Defense Healthcare Management Systems (DHMS) Joint Operational Medical Information System (JOMIS) next generation electronic health record (NGEHR) software.

RDTE efforts on legacy requirements for medical information technology systems completed in FY 2020. Modernized NGEHR requirements have been developed, and beginning in FY24, the OMIS-A mission is to provide increased efficiency in delivering those capabilities that have changed as technology matures. OMIS-A will integrate Joint solutions and develop additional operational medical information technology (IT) capabilities, leveraging operational communications infrastructure, that unencumber commanders, increase patient survivability and return to duty far forward on the battlefield, and contribute to the lifelong care of Soldiers, documenting and providing care from point-of-injury (POI) through the continuum of care. Documented medical data has far-reaching implications that influence everything from immediate medical situational awareness and trauma research to the lifelong care provided to the Soldier. The modernized requirements are not anticipated to be fulfilled by a single system or software program but by multiple, interoperable systems. Funding provides engineering, developmental testing, software development and integration of information management/information technology to support Force Health Protection in accordance with the medical Information Technology capabilities required for Multi Domain Operations (MDO) and Large Scale Combat Operations (LSCO).

FY 2024 Base funding in the amount of \$4.241 million will be used for the engineering effort required to evaluate, develop and test initiatives that improve the performance of the JOMIS NGEHR software on the Army platform.

Activities include:

-- Independent evaluation, verification and validation of modernized JOMIS software operating on Army infrastructure, ensuring effective operation and cyber security

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>		
-- Testing on all Army networks, and Army operations on networks in foreign countries, maintaining Authority to Operate/Authority to Connect on all networks where NGEHR may reside				
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Title:</b> Engineering for integration of JOMIS NGEHR</p> <p><b>Description:</b> Independent evaluation, verification and validation of modernized JOMIS software operating on Army infrastructure, ensuring effective operation and cyber security</p> <p><b>FY 2024 Plans:</b> Independent evaluation, verification and validation of modernized JOMIS software operating on Army infrastructure -- Ensuring effective operation and cyber security -- Development of any sets of software artifacts (threads, reports, queries, or scripts, or data export schemas) for specific external system interface with other components of the Army system -- Management of configuration and quality assurance for overall system -- Demonstrate that the engineering design and development process is complete, the design risks have been minimized, the system will meet specifications, and whether the engineering design is supportable (practical, maintainable, safe, etc.). -- Maintaining Authority to Operate/Authority to Connect on all networks where NGEHR may reside</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> This Effort is a New Start in FY24</p>		-	-	2.139
<p><b>Title:</b> Comprehensive Testing</p> <p><b>Description:</b> Independent evaluation, verification and validation of modernized JOMIS software operating on Army infrastructure, ensuring effective operation and cyber security -- Testing on all Army networks, and Army operations on networks in foreign countries -- Maintaining Authority to Operate/Authority to Connect on all networks where NGEHR may reside</p> <p><b>FY 2024 Plans:</b> 1. Planning to address identification of test objectives, baselines and foundations to be tested, hardware and software configurations to be tested, development of Use Cases to fully exercise the application's functionality, step-by-step procedures at the key stroke level, Entrance/Exit criteria, Pass/Fail criteria, failure identification and analysis, schedules 2. Testing on all Army networks, and Army operations on networks in foreign countries 3. Documentation of the results of all testing</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>		-	-	2.102

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
This Effort is a New Start in FY24			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	4.241

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• B80015: OPERATIONAL MEDICINE INFORMATION SYSTEMS - ARMY	-	-	1.374	-	1.374	-	-	-	-	0.000	1.374

**Remarks**  
- OPA provides licenses necessary to field modernized software.

**D. Acquisition Strategy**  
The OMIS-A Program supports a number of Army Medical Operational Health Information Technology (OHIT) /Communications initiatives. The near and mid-term focus of the OMIS-A program is to engineer, design, integrate, test, acquire and field the Army OHIT capabilities provided by the Defense Healthcare Management Systems (DHMS) Joint Operational Medical Information System (JOMIS) next generation electronic health record (NGEHR) software. Since NGEHR software is a major component of the OMIS-A System and being developed in minimum viable capability releases (MVCR) by the Joint Program, the OMIS-A Program will deliver integrated capabilities in MVCRs, recognizing the need for future system updates and planned upgrades. In addition to the NGEHR modernized software application suite and future modernized capability, OMIS-A will develop and deliver other Army specific OHIT requirements, working with the user community to continually define and refine additional OHIT requirements and match them with available technologies to provide the user enhanced capabilities. The first of these requirements is to modify/develop all software to operate on agnostic Army hardware solutions, and not require specialized hardware procurements.

OMIS-A will utilize the Software Acquisition Pathway and Agile development to provide these modernized and enhanced capabilities to the user at the earliest possible date. The iterative design, development and test approach yields the most operationally useful minimum viable product capability in the shortest time possible with Cost As an Independent Variable. Moreover, this approach provides initial capabilities with the explicit intent of delivering improved and updated capability in subsequent updates and planned upgrades. This development approach will be accomplished with active Army medical sponsors and user engagement early and throughout the process. Appropriate commercial technology enhancements (e.g. advances in operating systems, voice activated technology, cloud computing capability environment, etc.) will be incorporated into OMIS-A products and systems as they become available. Each OMIS-A System component will undergo a full range of developmental testing to include software unit testing, integration testing, interoperability testing and software qualification testing. All OMIS-A system updates and planned upgrades will continue to undergo follow-on testing.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>
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<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Engineering for Integration of JOMIS NGEHR	C/CPFF	TBD : TBD	-	-		-		2.139	Jan 2024	-		2.139	0.000	2.139	-
<b>Subtotal</b>			-	-		-		2.139		-		2.139	0.000	2.139	N/A

<b>Test and Evaluation (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Comprehensive Testing	C/CPFF	TBD : TBD	-	-		-		2.102	Jan 2024	-		2.102	0.000	2.102	-
<b>Subtotal</b>			-	-		-		2.102		-		2.102	0.000	2.102	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>		-	-	-	4.241	-	4.241	0.000	4.241	N/A

**Remarks**  
 New requirements for modernization of the operational electronic health system have been established. RDTE starting in 2024 is required to evaluate, address and develop the modernization which is expected to be fulfilled by multiple, interoperable systems. Funding after FY24 for this project 0605013A-DH1 will be established and provided in POM 25.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>	

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
Integrate Joint modernized minimum viable capability rel...																												
Army delivery of JOMIS NGEHR V.1 (modernized) minimum vi...																	▲											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> DH1 / <i>Operational Medicine Information System</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Integrate Joint modernized minimum viable capability release (MVCR) solutions for NGEHR	2	2024	1	2025
Army delivery of JOMIS NGEHR V.1 (modernized) minimum viable capability	1	2025	1	2025

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> FL9 / <i>Army Accessioning IT Development</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
FL9: <i>Army Accessioning IT Development</i>	-	5.183	6.479	2.288	-	2.288	2.337	2.385	2.436	2.487	0.000	23.595
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

HRC Accessioning IT: This program supports the development requirements for the US Army Human Resources Command (USAHRC) which provides the IT solutions and automation support necessary to accomplish the Army's Accessioning mission. The AIE acquisition program utilizes the DoD 500.75 business Capability Acquisition Cycle (BCAC) currently in the Requirements and Acquisition Planning Phase.

Army Suicide Prevention: This Program Element (PE) develops a pre-entry or entry assessment package that enhances the Soldier Lifecycle (e.g., selection, assignment, training, leader development). This PE enhances the Army's ability to identify individuals with a higher likelihood of having already experienced, or of potentially experiencing, sub-clinical behavioral issues, as well as to identify character strengths (e.g., resilience, grit), to ensure that the Army can meet mission requirements in the current and future operating environments. Research in this PE will result in more precise determinations of individual potential for future successful service, and more targeted identification of need for individual assistance (e.g., intervention, training, behavioral health) to increase likelihood of future success.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> HRC Accessioning IT	3.231	3.876	-
<b>Description:</b> Description: Funding supports the development requirements for the US Army Human Resources Command (USAHRC) which provides the IT solution and automation support necessary to accomplish the Army's Accessioning mission.  The AIE acquisition program utilizes the DoD 5000.75 Business Capability Acquisition Cycle (BCAC) currently in the Requirements and Acquisition Planning Phase.			
<b>FY 2023 Plans:</b> Program funding for AIE in FY24 and beyond has transitioned to PE 0605233A; Project Number CP8. FY 2023 funds were in support of the Army's accessioning mission to include the legacy cloud system capabilities for Army Recruiting Information Support System (ARISS) and successful implementation of AIE. Efforts are ongoing for Cloud migration/modernization and AIE technical analysis and documentation to support the accessioning mission. Currently HRC does not have a valid requirement to execute these funds. Requested that the funds be reprogrammed into 655013FM7, awaiting approval on this request prior to funds expiration.			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FL9 / <i>Army Accessioning IT Development</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
FY 2024 Funding realigned based on higher Army priorities.				
<p><b>Title:</b> Army Suicide Prevention</p> <p><b>Description:</b> This Program Element (PE) develops a pre-entry or entry assessment package that enhances the Soldier Lifecycle (e.g., selection, assignment, training, leader development). This PE enhances the Army's ability to identify individuals with a higher likelihood of having already experienced, or of potentially experiencing, sub-clinical behavioral issues, as well as to identify character strengths (e.g., resilience, grit), to ensure that the Army can meet mission requirements in the current and future operating environments. Research in this PE will result in more precise determinations of individual potential for future successful service, and more targeted identification of need for individual assistance (e.g., intervention, training, behavioral health) to increase likelihood of future success.</p> <p>Work in this PE is performed by the U.S. Army Resiliency Directorate in Arlington, VA.</p> <p><b>FY 2023 Plans:</b> FY 2023 funds will support the continued assessment of sub-clinical behavioral issues and the identification of cross-cutting risk and protective factors and preventive approaches for harmful behaviors. Efforts are ongoing for Cloud migration/modernization of data and analytical tools.</p> <p><b>FY 2024 Plans:</b> FY 2024 funds will support the continued assessment of sub-clinical behavioral issues and the identification of cross-cutting risk and protective factors and preventive approaches for harmful behaviors. Finalizing Cloud migration/modernization of data and analytical tools.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding change reflects the planned lifecycle of this effort</p>		1.952	2.365	2.288
<p><b>Title:</b> SBIR/STTR Transfer</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>		-	0.238	-
<b>Accomplishments/Planned Programs Subtotals</b>		5.183	6.479	2.288

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FL9 / <i>Army Accessioning IT Development</i>

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

Line Item	FY 2022	FY 2023	FY 2024	FY 2024	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Cost To	
			Base	OCO	Total					Complete	Total Cost
• BE4164: <i>PERSONNEL AUTOMATION SYSTEMS</i>	45.021	23.015	8.139	-	8.139	15.276	19.919	16.804	15.097	Continuing	Continuing
• OMA - AIE - OMA/331715000: <i>Sustainment Support &amp; CivPay</i>	-	-	-	-	-	-	-	-	-		

**Remarks**

Note, the (OPA) (BD3000/BE4164) line listed above includes AIE specific [FY20: \$19,878K, FY21: \$29,791K] to fund support fielding efforts, Commercial off the Shelf (COTS) Software Licenses, and Training. In more detail, FY22 and beyond rests within the new (OPA) (B45000/B45015).

**D. Acquisition Strategy**

Army Suicide Prevention:

The Army Suicide Prevention Pilot is an ongoing study on the efficacy of Resilience and Mindfulness training throughout the Army from Accessioning through IET to home station across an initial six Brigade Combat Teams, US Army Reserve units in the Joint Base San Antonio Area, and the South Carolina National Guard by using the BH Pulse tool, the Global Assessment Tool (GAT), and the efficacy of Resilience and Mindfulness training to baseline the Resilience of the unit. Data from the surveys will be used to tailor specific Resilience training on mitigating strategies to combat behaviors and risk contributing to Suicide.



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date: March 2023</b>		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> FL9 / <i>Army Accessioning IT Development</i>	

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
HRC Accessioning IT																												
ARISS																												
Army Suicide Prevention																												
Army Suicide Prevention with Resiliency from Accessioning to IET to Home Station																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FL9 / <i>Army Accessioning IT Development</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
HRC Accessioning IT	2	2021	4	2029
Army Suicide Prevention	3	2020	4	2026

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
FM7: <i>Human Resources Information Technology</i>	-	12.497	11.574	11.449	-	11.449	6.941	7.060	9.591	7.301	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The efforts under this project support the Army's Human Resources Information Technology needs.

ARIMS is the Army's policy and enterprise system deployed to meet statutory (36 CFR) and regulatory (AR 25-1, AR 25-400-2) requirements to manage records that document the policies, decisions, and actions of the Army both as a military department and federal institution. ARIMS supports approximately 58,000 registered users with tools and capabilities to collect and preserve Army records, serves as the records management component of the Army Electronic Archives (AEA), and the Secretary of the Army has mandated its use to collect and preserve Army records. ARIMS is in production on the SIPRNet with ARIMS-Classified (ARIMS-C) to provide similar capabilities for the collection and preservation of the Army's classified records. ARIMS is an integrated system that supports the SecArmy objective to integrate management systems for the Army's records management programs and business operations. This line item funds for system, network, and application sustainment for the ARIMS and ARIMS-C infrastructure. Technology changes, integration, and systems migration require contractor support to ensure the AEA continues to preserve essential electronic records. These activities support the ARIMS applications and comply with the SecArmy and Senior Army leadership to integrate and standardize management systems for business operations. Failure to fund will result in the loss of expertise and in extensive down time in the event of any hardware or software failure in the ARIMS infrastructure. ARIMS downtime precludes the collection and preservation of the Army long-term important records (such as past Contingency Operations (CONOPS) records). As a web-based and customized GOTS system, ARIMS is dependent on private industry expertise to conduct troubleshooting and correction of any application or operating system component that is the foundation of the ARIMS and ARIMS-C systems. These skill sets are not maintained by government staff and must, by DoD directive (C3I), be acquired from the private sector.

Army SHARP Data Management System (DMS) Integrated Case Reporting System (ICRS) enhancements will provide stabilization for sexual harassment (SH) data collection, reporting requirements, and analytic processes; ICRS maintains Army sexual assault (SA) legacy data collected prior to 2014 in the Sexual Assault Data Management System (SADMS) IAW public law.

Family Advocacy System of Records (FASOR) is the information system used by the Army to manage child and adult based abuse incidents referred by the Family Advocacy Program (FAP). FASOR is used to capture/perform incident case management and allows for standardization of reviews and incident determinations. FASOR is a key system used in FAP Army Central Registry (ACR) background checks when determining suitability of individuals to be placed into "positions of trust". Finally, FASOR facilitates reporting and data analysis in support of internal, Army, DoD, FOIA and Congressional requirements.

Human Resource Command (HRC) Core IT: This program supports efforts to plan, design, develop, and test Information Technology (IT) solutions to fulfill the Army's Warfighter Support Mission, accommodate emerging Army requirements, and fulfill Future Army needs. Ongoing development efforts support multiple functional areas including logistics, personnel, transportation, training, medical/health protection, and the sustaining base. The focus of the rationalization effort is to identify value-added

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>
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applications capable of serving a broader Army enterprise audience and garnering efficiencies through the elimination of outdated, legacy, and duplicative applications. Applications are upgraded or enhanced to meet compliance with Army Common Operating Environment standards in accordance with Army Application Management Business Office (AAMBO). Additionally, program supports enhancements and modifications to the Interactive Personnel Electronic Records Management System (iPERMS) and iPERMS-Secure (iPERMS-S), as well as development of interfaces based upon emerging requirements, Cybersecurity, functionality and compliance with Army standards.

TRANSITION ASSISTANCE PROGRAM XXI (TAP XXI): The Transition Assistance Program XXI (TAP-XXI) application provides an interactive, multimedia approach to pre-separation counseling and job assistance training. This application uses full motion video, graphics, and sound to train clients; and schedules clients for classroom-type instruction. It integrates a complete range of transition services and benefits for service members, Department of Defense civilian employees, and their family members as they transition from the military. TAP-XXI is a web-based, three-tiered application with a centralized database for all Transition sites. The user interface is browser-based, the application is based on a storefront intranet model to provide access from within Transition centers. The user interface is browser-based, the application is based on a storefront intranet model to provide access from within Transition centers. The application also allows for access outside of Transition centers to support mobilizing and de-mobilizing during Yellow Ribbon Program events or delivery of services at home station. There is no application processing on the desktops located at Transition Centers. TAP-XXI application suite consists of the following subsystems: Transition Assistance Program - Support (TAP-Support), Transition Assistance Program -Online (TAP-Online) and TAP Virtual (Immersive Terf). The infrastructure modernization will provide system stability, support expansion requirements, and ensure reliable customer support.

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

	FY 2022	FY 2023	FY 2024
<p><b>Title:</b> ARIMS</p> <p><b>Description:</b> This funds contractor man-years for technical and analytical expertise in the integration and validation of operational databases including Army Historical Records Online (AHRO) used to store and research combat records from combat operations in Korea, Vietnam, Somalia, Panama, Persian Gulf, Afghanistan, Iraq, and other contingency operations. The effort supports unique operational databases that directly support research into Veteran claims for Post-Traumatic Stress Disorder, Agent Orange, and other medical conditions developed by Soldiers during combat and non-combat operations. Supports the Army's Data Center Consolidation by turning data base structure to be more efficient and reduce maintenance support costs.</p> <p>Increased Congressional inquiries and litigation have raised leadership awareness of the need to improve records management compliance Army-wide. SecArmy directed workgroup, led by the AASA, with participation by the CIO/G-6, NETCOM, OGC, and OCLL is to provide a comprehensive solution for the Army and integrate and standardize management systems for the Army's business operations. Enhancing and modernizing of existing ARIMS functionality and capability to support the SecArmy initiative includes updating ARIMS to support current technology such as Microsoft Office 365 environment, expanding storage capability, including network storage , and commensurate expansion of backup, security and communications capabilities over CONUS and OCONUS networks.</p> <p><b>FY 2023 Plans:</b></p>	1.025	2.052	2.103

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>Funds are used to sustain technology refresh efforts ensuring the Army's records comply with statutory and regulatory requirements, preserves individual record integrity, mitigates the risk of historical information loss, and ensures official Army records are available for Congressional, Government Accountability Office, Executive Branch, and FOIA requirements. We fund contractor man-years to sustain this system through an IT Services contract (W15QKN-19-F-0975-P00005).</p> <p><b>FY 2024 Plans:</b> Funds are used to sustain technology refresh efforts ensuring the Army's records comply with statutory and regulatory requirements, preserves individual record integrity, mitigates the risk of historical information loss, and ensures official Army records are available for Congressional, Government Accountability Office, Executive Branch, and FOIA requirements. We fund contractor man-years to sustain this system through an IT Services contract (W15QKN-19-F-0975-P00005).</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding change reflects the planned lifecycle of this effort</p>				
<p><b>Title:</b> Army SHARP Data Management</p> <p><b>Description:</b> Army SHARP Data Management System (DMS) Integrated Case Reporting System (ICRS) enhancements will provide stabilization for sexual harassment (SH) data collection, reporting requirements, and analytic processes; ICRS maintains Army sexual assault (SA) legacy data collected prior to 2014 in the Sexual Assault Data Management System (SADMS) IAW public law.</p> <p><b>FY 2023 Plans:</b> Maintain ability of Army leaders at all levels to manage ICRS data through E-Document Format and documents upload capabilities within ICRS. Increase support of Advanced Analytics capabilities, increase business intelligence capabilities, and support predictive analysis for SHARP Data to inform increased Prevention efforts.</p> <p><b>FY 2024 Plans:</b> Maintain ability of Army leaders at all levels to manage ICRS data through E-Document Format and documents upload capabilities within ICRS. Increase support of Advanced Analytics capabilities, increase business intelligence capabilities, and support predictive analysis for SHARP Data to inform increased Prevention efforts.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding change reflects the planned lifecycle of this effort</p>		0.996	0.986	1.117
<p><b>Title:</b> Family Advocacy System of Records (FASOR)</p> <p><b>Description:</b> Family Advocacy System of Records (FASOR) is the information system used by the US Army FAP to support adult and child abuse incident management, central registry of victims and offenders to authorized agencies, and to provide input for</p>		1.409	1.415	1.544

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>required Congressional and public reporting. FASOR is the authoritative source (registry) for all incidents of adult and child abuse in the Army. It is on the Army Human Resource Command's High Value Asset list.</p> <p><b>FY 2023 Plans:</b> Modernize FASOR through the latest Business Process Reengineering Effort in deploying FASOR 2.0. FY23 funding initiates software development &amp; architecture support as new functionality is implemented while finalizing the migration of the legacy FASOR data structure and data to a modernized structure.</p> <p><b>FY 2024 Plans:</b> FY24 funding will provide continued software development &amp; architecture support as new functionality is implemented while finalizing the migration of the legacy FASOR data structure and data to a modernized structure. High level functionality modules include, but not limited to; Family Advocacy Program (FAP) Incident (Case) Management, FAP Data / Reports, Problematic Sexual Behavior-Child &amp; Youth, and a New Parent Support Program.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding change reflects the current activities needed to ensure FASOR 2.0 becomes .MIL compliant and hosted in the C-Army Cloud according to Army Cyber Security directives.</p>				
<p><b>Title:</b> HRC Core IT</p> <p><b>Description:</b> HRC Core IT: This program supports efforts to plan, design, develop, and test Information Technology (IT) solutions to fulfill the Army's Warfighter Support Mission, accommodate emerging Army requirements, and fulfill Future Army needs. Ongoing development efforts support multiple functional areas including logistics, personnel, transportation, training, medical/health protection, and the sustaining base.</p> <p><b>FY 2023 Plans:</b> FY 2023 funding continues to support iPERMS enhancements and modifications, as well as development of interfaces based upon emerging requirements, cybersecurity, functionality, and compliance with Army standards and ASBS 2.0 development which also supports DA G1 Talent Management Task Force Battalion Command Assessment Program (BCAP). Additionally, USAHRC will utilize FY 2022 to funding to complete rationalize data and databases to achieve the Army Data Strategy, modernizing applications to leverage authoritative data sources to reduce duplicate application capabilities, resulting in data and applications requiring fewer infrastructure services. This data and application rationalization allows USAHRC to operate a standard infrastructure, reducing hardware and software complexities and meets compliance with Army Common Operating Environment standards in accordance with Army Application Management Business Office (AAMBO).</p> <p><b>FY 2024 Plans:</b></p>		8.018	5.552	5.517

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>FY 2024 funding continues to support iPERMS enhancements and modifications, as well as development of interfaces based upon emerging requirements, cybersecurity, functionality, and compliance with Army standards, cArmy Cloud Migration efforts, and ASBS 2.0 development which also supports DA G1 Talent Management Task Force Battalion Command Assessment Program (BCAP) which is estimated for completion by Sep 2023. Additionally, USAHRC will utilize FY 2023 and FY 2024 funding to complete rationalize data and databases to achieve the Army Data Strategy, modernizing applications to leverage authoritative data sources to reduce duplicate application capabilities, resulting in data and applications requiring fewer infrastructure services. This data and application rationalization allows USAHRC to operate a standard infrastructure, reducing hardware and software complexities and meets compliance with Army Common Operating Environment standards in accordance with Army Application Management Business Office (AAMBO).</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding change reflects the planned lifecycle of this effort</p>				
<p><b>Title:</b> SFL-TAP XXI Modernization</p> <p><b>Description:</b> Transition Assistance Program (TAP) XXI Modernization - Provide new capability in order to create efficiencies and incorporate industry standards.</p> <p><b>FY 2023 Plans:</b> Due to the delay in receiving approval of the Capability Requirements Document (CRD) from DASA-CE until March 2020 . Appropriation is pending legal review. Specific work for FY21 includes development / addition of: 1. Produce Intake Form Integration, 2. Case Synopsis Module; 3. New Data Elements; 4. Reporting Module; 5. Cybersecurity Requirements. Specific work for FY22 includes development / addition of: 1. Forms Upload Enhancements (MFR &amp; DA Form 7746) 2. Data Warehouse Install 3. Ad Hoc Reporting &amp; Predictive Analytics 4. User Management Module 5. Cybersecurity Requirements these actions will be implemented in FY 2023 to complete.</p> <p><b>FY 2024 Plans:</b> The command has an estimated project completion to occur by expiration date of FY 2024 funds, 30 Sep 2025. The command is unable to provide a valid estimate completion date or correct appropriation based on pending legal opinion. Upon receipt of the legal opinion all necessary requirement actions will be in implemented by funds expiration of FY 2024. The increase is based on inflation to cover the Specific work for FY22 includes development / addition of: 1. Produce Intake Form Integration, 2. Case Synopsis Module; 3. New Data Elements; 4. Reporting Module; 5. Cybersecurity Requirements. Specific work for FY23 includes development / addition of: 1. Forms Upload Enhancements (MFR &amp; DA Form 7746) 2. Data Warehouse Install 3. Ad Hoc Reporting &amp; Predictive Analytics 4. User Management Module 5. Cybersecurity Requirements these actions will be implemented in FY 2024 to complete.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>		1.049	1.147	1.168

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resouces Information Technology</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Funding change reflects the planned lifecycle of this effort				
<b>Title:</b> SBIR/STTR		-	0.422	-
<b>Description:</b> Funding transferred in accordance with Title 15 USC §638				
<b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638				
<b>Accomplishments/Planned Programs Subtotals</b>		12.497	11.574	11.449
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
N/A				

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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 / 5				PE 0605013A / Information Technology Development				FM7 / Human Resources Information Technology							
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
SFL--TAP	TBD	To Be Determined : To Be Determined	0.615	0.652		0.850		-		-		-	0.000	2.117	-
SBIR/STTR	TBD	Various : Various	-	-		0.422		-		-		-	0.000	0.422	-
<b>Subtotal</b>			0.615	0.652		1.272		-		-		-	0.000	2.539	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
ARIMS	TBD	TBD : TBD	0.429	1.025		2.052		2.103		-		2.103	Continuing	Continuing	Continuing
Army SHARP Data Management	TBD	Data Management : TBD	-	0.996		0.986		1.117		-		1.117	Continuing	Continuing	Continuing
SFL-TAP	TBD	To Be Determined : To Be Determined	0.578	0.437		0.297		1.168		-		1.168	0.000	2.480	-
HRC Core IT	TBD	To Be Determined : To Be Determined	9.203	7.978		5.552		5.517		-		5.517	0.000	28.250	-
<b>Subtotal</b>			10.210	10.436		8.887		9.905		-		9.905	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
Family Advocacy System of Records (FASOR)	TBD	TBD : TBD	3.166	1.409		1.415	Oct 2022	1.544	Oct 2023	-		1.544	Continuing	Continuing	Continuing
<b>Subtotal</b>			3.166	1.409		1.415		1.544		-		1.544	Continuing	Continuing	N/A
<b>Project Cost Totals</b>			13.991	12.497		11.574		11.449		-		11.449	Continuing	Continuing	N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date: March 2023</b>		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> FM7 / <i>Human Resources Information Technology</i>	

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
HRC Core IT	[Redacted]																											
SFL-TAP XXI Modernization	[Redacted]																											
ARIMS	[Redacted]																											
Army SHARP Data Management	[Redacted]																											
FASOR	[Redacted]																											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM7 / <i>Human Resouces Information Technology</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
HRC Core IT	4	2020	4	2027
SFL-TAP XXI Modernization	1	2020	4	2027
ARIMS	1	2020	4	2027
Army SHARP Data Management	1	2020	4	2026
FASOR	1	2020	4	2025

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
FM8: <i>Information Technology for Training Systems</i>	-	60.670	36.893	5.993	-	5.993	1.562	3.275	3.306	3.451	0.000	115.150
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This project funds information technology systems that support Army Training. The four systems under FM8 are described below. Of those, the Army Training Information System (ATIS) is an Army priority and the focus of the major investment in FM8. ATIS directly supports two of the four Army Unit Readiness Priorities - Training and Leader Development and serves as an enabler for Manning and Equipping.

1. Army Training Information System (ATIS). The Army currently lacks an enterprise level Common Operational Picture (COP) of the training environment. The ATIS is designated a Defense Business System (DBS) that will develop, integrate, test, deliver, operate, and maintain an enterprise capability for the Army training and education communities. Existing training information systems do not provide Commanders, leaders, Soldiers, and civilians a centralized COP of the training environment that enables persistent, consistent access to the Training and Education information and products necessary to support readiness to meet emerging threats. Annual costs to maintain current legacy systems is ~\$75 million. Without ATIS, Army organizations will continue to develop and maintain a multitude of training information systems that are not part of an enterprise, thus inhibiting efficient use of training resources, (people, time, money, material) that directly impacts the ability for units to meet readiness objectives. Ultimately, ATIS is aligned to support Army enterprise data object as an authoritative source of data for Training and Readiness information.

ATIS is currently operating under the Defense Business System (DBS) pathway under DoDI 5000.75. Going forward ATIS will continue to operate under DoDI 5000.75, as well as utilize aspects of the Software Acquisition pathway, DoDI 5000.87. This hybrid pathway is designed to provide rapid development and deployment of software running on commercial hardware, including modified hardware, and cloud computing platforms.

Once fully-fielded, ATIS will sunset the functionality in 28 primary and 70 supporting information training systems with a single, integrated, user-friendly and technologically current system that will support management of the following training functions for 1.8 million users:

- Training Development. Provides ability to develop and coordinate information, including training packages, training events, courses, and exercises.
- Training Management. Provides centralized ability to access and manage information, including individual and collective/unit training that supports mission tasks and individual training records.
- Enterprise Scheduling. Provides a single integrated set of applications to schedule training resources, including transportation, classrooms, ranges, supplies, and mandated legal/social individual and unit training.
- Content Management. Provides centralized access to training information anytime, anywhere, including educational and professional instruction.
- Resource Management. Provides ability to manage availability/sustainability of training enablers and resources.

\*\*\*NOTE: The next three systems are not part of the ATIS Development program.\*\*\*

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

2. Defense Language Proficiency Test, version 5 (DLPT5) Content Analysis, Categorization & Modeling (CACM). The DLPT5 Content Analysis, Categorization, and Modeling (CACM) contract is in direct response to DLIFLC's DoD Instruction assigned responsibilities for DLPT item bank maintenance, psychometric analysis, and informed pool management, and closely support the DLPT Validity Framework. This project enhances the DLIFLCs ability to efficiently execute high quality DLPT development processes through the integration of benchmark automation capabilities. Accomplishments include: developed and delivered ordered similarity analysis capabilities; developed and delivered integrated audio quality analysis capabilities; developed and delivered unordered similarity analysis capabilities; developed and delivered integrated Auto-ILR capabilities in 15 languages; developed and delivered integrated machine transcription capabilities in 6 languages; developed and delivered advanced text analytics capabilities; developed and delivered integrated grade level lookup capabilities; developed and delivered annotator alignment analysis capabilities in 2 languages.

3. The Army Career Tracker is leader development tool that leverages Army's prior investments to integrate education, training, assignment, self-development and other systems by linking these valuable technologies and resources into a common user-friendly portal across 1.35 million users consisting of enlisted, officers, and civilians. Users can search multiple education and training resources, monitor career development, and receive advice from their leadership. ACT provides single-site, easy access, and offers a complete and personalized career picture not available until now. ACT allows users to manage career objectives and monitor progress towards career requirements and goals. ACT provides an integrated approach to supporting military and civilian personnel's personal and professional development which capitalizes on the mutual (personnel and Army) need for life-long learning. The unique inter-relationship between the user's personal growth and development, and the Army's need for Soldiers to be continuously developing, building and cultivating a culture of life-long learning is critical for the Soldier's and Army's success. Users manage their lifelong learning career objectives, monitor progress towards career development and goals, search multiple Army education and training resources, and receive personalized advice from their supervisor and Army leadership. Completed development will modernize the Army Career Tracker (ACT) system to render web pages correctly base on the size of the screen. Responsive Web Design (RWD) is an approach to web design that renders web pages based on the size of the device's display screen (e.g., computer, tablet, and phone). This allows the site to load quickly and ensures the display appears as if it were made expressly for the device being used. RWD improves user experience by displaying messages, links, and controls in a logical manner regardless of the device. The actual presentation may not look the same across different devices; rather the rendering will depend on the Operating System (OS), screen size, screen resolution, and other factors. Implementing RWD on ACT would be a step forward toward allowing ACT to render better on tablets and other mobile devices (e.g., mobile phones).

4. Enhancement of Army Training Models (ATM) will provide the resources to build and sustain readiness requirements in a standardized process for automated methodology development and resource allocation in support of the Army's training needs.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Army Training Information System (ATIS)	59.078	33.916	4.447
<b>Description:</b> Army Training Information System (ATIS) is a Defense Business System that will provide a common operational picture (COP) of the training environment in five integrated and interoperable capability areas: Training Development; Training Management; Training Enterprise Scheduling; Learning Content Management and Training Resource Management. These capabilities will enable Commanders, leaders, Soldiers, and civilians to better understand, visualize, describe, direct, lead, and			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

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

assess training requirements so that they can more effectively plan, prepare, execute, and assess training. End result is an ATIS that enables Soldiers to train as they will fight, so they can effectively fight as they have trained.

***FY 2023 Plans:***

FY 2023 Plans:

During FY23 ATIS will work toward migrating and sunseting the legacy Army Learning Management System (ALMS) into the ATIS Objective Environment, and rebrand the product as ATIS Learn. Additionally, ATIS is will work toward completing the features and functionality required to sunset the Digital Training Management System, which is the largest legacy system scheduled to be subsumed. Finally ATIS will Award and begin executing an Other Transaction Agreement to produce a scheduling and resourcing solution that can be integrated into ATIS, providing the majority of the enterprise scheduling and resourcing capabilities.

Fund distribution is below:

Management Services (using Bridging Contract)

- Funds will be used to procure professional staff and software development teams, supporting the ATIS product management office in oversight of the development of ATIS and the sunseting of legacy systems

Product Development (Bridge/OTA)

- Bridge Contract: Funds will be used for development teams. The product teams will utilize the established ATIS environment and ATIS development pipeline to deliver software infrastructure and capability, beginning with the sunseting of the legacy Army Learning Management System (ALMS) and the standup of ATIS Learn in the ATIS objective environment in 1Q FY24.

- OTA: Funds will be used to award Level of Effort 2 OTA, will focus on developing the Training Enterprise Scheduling Capability (TESC) and Training Resource Management Capability (TRMC) capabilities.

Support Services

- Cloud: Funds will continue to procure cloud services via the Cloud Account Management Optimization (CAMO) record with the Department of the Army Enterprise Cloud Management Agency.

- Licenses: Funds will be used to develop Government Off the Shelf (GOTS) and Commercial Off the Shelf (COTS) products necessary to support sunseting the 28 legacy systems

***FY 2024 Plans:***

FY 2024 Plans:

During 1QFY24 ATIS will successfully complete the migration and sunseting of the legacy Army Learning Management System (ALMS) and the standup of ATIS Learn in the ATIS Objective Environment. Additionally, ATIS is estimated to complete 30% of the features and functionality required to sunset the Digital Training Management System. These efforts will migrate and sunset

FY 2022	FY 2023	FY 2024

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>an additional two legacy systems. Finally ATIS will continue efforts to produce a scheduling and resourcing solution that can be integrated into ATIS, providing the majority of the enterprise scheduling and resourcing capabilities.</p> <p>Fund distribution is below:</p> <p>Management Services (using bridging contract)</p> <ul style="list-style-type: none"> <li>- Funds will be used to continue funding professional staff and software development teams, supporting the ATIS product management office in oversight of the development of ATIS and the sunseting of legacy systems.</li> </ul> <p>Product Development (bridge)</p> <ul style="list-style-type: none"> <li>- Funds will be used for development teams. The product teams will utilize the established ATIS environment and ATIS development pipeline to deliver software infrastructure and capability, beginning with the sunseting of the legacy Army Learning Management System (ALMS) and the standup of ATIS Learn in the ATIS objective environment in 1Q FY24.</li> </ul> <p>Support Services (cloud)</p> <ul style="list-style-type: none"> <li>- Funds will continue to procure cloud services via the Cloud Account Management Optimization (CAMO) record with the Department of the Army Enterprise Cloud Management Agency.</li> </ul> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Decrease in FY24 funding reflects reduced development activities in FY24 and accomplishment of development activities in FY23.</p>				
<p><b>Title:</b> DLPT5 Content Analysis, Categorization &amp; Modeling</p> <p><b>Description:</b> Development of DLPT5 Content Analysis, Categorization and Modeling (CACM) capabilities. For integration within the DLIFLC MIT LL TIDWA Domino system. These capabilities are in direct response to DLIFLC's DoDI assigned responsibilities for DLPT item bank maintenance, psychometric analysis and informed pool management, and closely support the DLPT Validity Framework.</p> <p><b>FY 2023 Plans:</b></p> <ul style="list-style-type: none"> <li>- initiate development of Topic modeling capabilities</li> <li>- initiate development of predictive modeling capabilities</li> </ul> <p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>- initiate development of Topic modeling capabilities</li> <li>- initiate development of predictive modeling capabilities</li> </ul> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>		1.407	1.517	1.546

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

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
The increase reflects the planned lifecycle of this effort.			
<b>Title:</b> Army Career Tracker <b>Description:</b> The Army Career Tracker is leader development tool that leverages Army's prior investments to integrate education, training, assignment, self-development and other systems by linking these valuable technologies and resources into a common user-friendly portal across 1.35 million users consisting of enlisted, officers, and civilians. Modify the existing Individual Development Plan (IDP) feature in the Army Career Tracking system. <b>FY 2023 Plans:</b> Continued modernization and enhancements of the Army Training Models. <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The decrease reflects the planned lifecycle of this effort.	0.185	0.113	-
<b>Title:</b> SBIR/STTR <b>Description:</b> Funding transferred in accordance with Title 15 USC §638 <b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638	-	1.347	-
<b>Accomplishments/Planned Programs Subtotals</b>	60.670	36.893	5.993

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

**Remarks**  
C. Other Program Funding Summary (\$ in Thousands) is listed below as a memo since ATIS is a child from the parent line, OPA2/BD3000.

	FY2022	FY2023	FY2024	FY2025	FY2026
Army BE4162 - OPA2/BD3000/BE4162/MACOM AUTOMATION SYSTEMS	1,018	0	1,908	0	0

Legacy systems that will be subsumed by the Army Training Information System (ATIS) are listed below. Annual cost to maintain these systems is ~\$75M.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

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

Acronym      System Name  
-----

1. ACT - Army Career Tracker (IDP and PDM only).
2. AIRS - Army IMCOM Reservation System.
3. ARM - Army Range Mapper - JMTC/TSAE (EUR).
4. ARTIMS - Army Training Information Management (NIPRnet version Only).
5. ATHD - Army Training Help Desk.
6. ATIA - Army Training Information Architecture.
7. ATLAS - Army Training and Learning Assessment System.
8. ATMS - Army Training Management System.
9. CAMP - Career Acquisition Management Portal.
10. DLRS-T - Distributed Learning Reporting and Scheduling Tool.
11. DLS - Distributed Learning System (Army Learning Management System).
12. ECDC - Enterprise Content Development Capability.
13. ESC - Enterprise Scheduling Capability.
14. GTIMS - Graduate Training Integration Management System (Aviation Resource Training System - ARTS)
15. IDMS - Inventory and Distribution Management System
16. LLC - Lifelong Learning Center
17. RFMSS - Range Facility Management Support System
18. SCINI - IMCOM Senior Commander Installation Needs and Issues
19. SMS - CGSC -Student Management System- Command and General Staff College
20. SRP GIS TK - Sustainable Range Program (SRP) Geographic Information System (GIS) ToolKit
21. SRPP - SRPWeb Portal
22. SWT - System Training Plan (STRAP) Writing Tool
23. TD2QA - Training and Doctrine Development Quality Assurance Management System
24. TDC - Training Development Capability
25. TMSS-E - Training Management Scheduling System - Enterprise
26. TSIMS - Training Support Information Management System \*identified as a system to feed HQDA Training COP
27. TS-MATS - Training Support Materiel Army-wide Tracking System
28. WEB TED - Web Based Total Employee Development System

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development	Project (Number/Name) FM8 / Information Technology for Training Systems

**D. Acquisition Strategy**

Army Senior leadership decided to terminate the ATIS's prototype development under an Other Transactions Authority (OTA) Agreement in 1QFY22. To capitalize on initial efforts under that Agreement, the Program Management Office (PMO) immediately leveraged the support contracts currently in place to mitigate schedule risks and still deliver useful capabilities to the Force. In 2QFY22 ATIS established an AWS GovCloud, cArmy environment to continue prototype development. In 3QFY22 the PMO awarded a contract modification to update and migrate the Army Learning Management System (ALMS) to the ATIS Objective cArmy environment NLT 1QFY24. PdM ATIS will employ a modular contracting approach to award a mix of traditional FAR-based contracts and OTA to develop the objective system. This strategy allows for the competitive selection of multiple vendors with innovative technologies to develop the fully integrated system. This approach will help to reduce the risks associated with vendor lock as well. The first OTA for Enterprise Scheduling and Resource Management capabilities will be awarded 3QFY23. ATIS will continue to utilize the principles of Agile development to deliver capabilities to the Army. Sunset for the 28 legacy systems that ATIS will replace is expected in 4QFY27.

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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 / 5				PE 0605013A / Information Technology Development				FM8 / Information Technology for Training Systems							
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
ATIS Interface Agreements (Army Software Factory)	MIPR	Various : Various	-	1.400		-		-		-		-	0.000	1.400	-
ATIS Program Management Office (includes LMI Bridge Effort)	C/FFP	ATIS Program Management Office : Newport News, VA	0.699	12.857		10.178		2.233		-		2.233	Continuing	Continuing	Continuing
ATIS MITRE Support	MIPR	W4GV USA HQ COMM ELECT CMD : Aberdeen Proving Grounds, MD	-	2.677		1.536		-		-		-	Continuing	Continuing	Continuing
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		1.347		-		-		-	0.000	1.347	-
<b>Subtotal</b>			0.699	16.934		13.061		2.233		-		2.233	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
ATIS Product Development Contract (Peraton FY22, LMI FY23/24)	C/FPIF	Various : Newport News, VA	49.297	36.281		7.869		1.107		-		1.107	0.000	94.554	-
ATIS OTA Contract Level of Effort 2 (New)	C/TBD	To Be Determined : To Be Determined	-	-		10.875		-		-		-	Continuing	Continuing	Continuing
DLPT5 Content Analysis, Categorization & Modeling	MIPR	Army Test and Evaluation Center : Aberdeen Proving Grounds, Maryland	1.151	1.407		1.517		1.546		-		1.546	Continuing	Continuing	Continuing
Army Career Tracker	TBD	TBD : TBD	0.195	0.185		0.113		-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			50.643	37.873		20.374		2.653		-		2.653	Continuing	Continuing	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>
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<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
ATIS Cloud Services: CAMO (Cloud Account Management Optimization Agreement (CAMO))	MIPR	AWS : PEO EIS, FT. Belvoir, VA 22060	-	4.355		1.475		1.107		-		1.107	Continuing	Continuing	Continuing
ATIS Software	Various	TBD : TBD	-	1.418		1.983		-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	5.773		3.458		1.107		-		1.107	Continuing	Continuing	N/A

<b>Test and Evaluation (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
ATIS - System Test and Evaluation	MIPR	Army Test and Evaluation Center : Aberdeen Proving Grounds, Maryland	0.115	0.090		-		-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.115	0.090		-		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>		51.457	60.670	36.893	5.993	5.993	Continuing	Continuing	N/A

**Remarks**  
Cost category that has "ATIS" supports the ATIS Product Development.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

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
ATIS: Contract Terminated/Environment Transition to the...	1 ▲ Contract Terminated																											
ATIS: Establish Data Centric Architecture	2 ▲ Cloud																											
ATIS: Implement Bridge Strategy																												
ATIS: Solution Integrator Contract (SI)																												
ATIS: Army Learning Mgmt Sys (ALMS) Migration																												
ATIS: Line of Effort 2 (LOE2) OTA Contract Award (TESC, ...)																												
ATIS: Line of Effort 1(LOE1) OTA Contract Award (ATMC, ...)																												
ATIS: Line of Effort 3 (LOE3) OTA Contract Award (ALMC)																												
ATIS: FY27 Final Sunset of Remaining Legacy Systems																												
ATIS: Enters Capability Support (Full Deployment)																												

**Note**

- Will sunset the legacy Army Learning Management System (ALMS) in 1QFY24 and deliver ATIS Learn to the Army community.
- The Bridge effort will continue to develop the ATIS objective Environment while the Solution Integrator contract is competed and awarded

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date: March 2023</b>
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

- Final sunset of remaining legacy systems is 1QFY28 and will signal full deployment.

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM8 / <i>Information Technology for Training Systems</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ATIS: Contract Award	3	2020	3	2020
ATIS: Contract Terminated/Environment Transition to the Gov't	1	2022	1	2022
ATIS: Establish Data Centric Architecture	2	2022	2	2022
ATIS: Implement Bridge Strategy	2	2022	4	2024
ATIS: Solution Integrator Contract (SI)	2	2025	2	2028
ATIS: Army Learning Mgmt Sys (ALMS) Migration	3	2022	1	2025
ATIS: Line of Effort 2 (LOE2) OTA Contract Award (TESC, TRMC)	3	2023	3	2027
ATIS: Line of Effort 1(LOE1) OTA Contract Award (ATMC, ATDC)	2	2025	2	2027
ATIS: Line of Effort 3 (LOE3) OTA Contract Award (ALMC)	2	2025	2	2027
ATIS: FY27 Final Sunset of Remaining Legacy Systems	4	2027	4	2027
ATIS: Enters Capability Support (Full Deployment)	1	2028	1	2028

**Note**

ATIS - The ATIS program will be officially baselined at the Limited Deployment - Acquisition Authority to Proceed (LD ATP) at the end of Release 1. The objective system is reached upon reaching full deployment in FY24.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
FM9: <i>Information Technology for Criminal Investigations</i>	-	1.181	1.273	2.697	-	2.697	1.298	1.313	1.328	1.342	0.000	10.432
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The project Criminal Investigation Management System (CIMS) is to develop, maintain, and operate a secure, unified comprehensive system of applications to support the Army's law enforcement (LE) mission and to transform CID LE applications through continuous innovation and modernization to improve operational methodologies consistent with current LE community practices.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Criminal Investigative Management System (CIMS)	1.181	1.227	2.697
<p><b>Description:</b> Criminal Investigative Management System (CIMS). CIMS is a collection of mission essential information technology (IT) systems that supports the USACID, the Office of the Provost Marshal General (OPMG), the U.S. Army Crime Records Center (USACRC), the Army Military Police School (USAMPS), and other DoD Law Enforcement (LE) entities and stakeholders. Through CIMS, the USACID and the OPMG developed an integrated and unified, comprehensive enterprise program / system that houses both classified and unclassified Law Enforcement Sensitive (LES) data, leveraging existing and future Army LE information technology assets and other external data sources, and providing a full range of law enforcement functions. The primary component of CIMS is a comprehensive enterprise system known as the Army Law Enforcement Reporting and Tracking System (ALERTS) providing Army LE stakeholders the enhanced capability to rapidly and efficiently manage a variety of LE and criminal intelligence functions, as well as a broader range of senior executive reporting requirements. The Consolidated Operation Police Suite (COPS) was previously comprised of five separate applications: two of these applications have been rationalized under ALERTS: two of these applications have been consolidated into one and modernized under CIMS: the final unclassified and classified Detainee Reporting System (DRS) modules have been modernized and rationalized under CIMS. The Deserter Verification Information System (DVIS) is being modernized and rationalized under CIMS. RDT&amp;E dollars are required to transform ALERTS along with multiple CID mission systems through software modernization from an Army-centric investigative LE agency into an elite Federal LE agency that is ahead of the threat, continuously evolving and strategically partnering with Federal LE agencies. Strategically partnering requires the creation of multiple interagency data feeds. All requested CID RDT&amp;E funding in program element 0606013A will be applied to CIMS initiatives.</p> <p><b>FY 2023 Plans:</b> ALERTS, a vital component of CIMS, is over 5 years old and requires a major rewrite of the software application and back-end database to ensure it maintains its operational efficiency, security requirements,</p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
and ability to support the LE stakeholder community. The rewrite will be started during FY 2023 and continue through the following FY.  <b>FY 2024 Plans:</b> ALERTS, the primary component of CIMS, has been online for over 5 years. It requires a major application rewrite which will start in FY 2023 with gathering stakeholder requirements and the development of a more efficient and effective database structure to store case information. Modernization of ALERTS will continue through FY 2024 with a new CIMS development contract. New Law Enforcement (LE) case data procedures to support senior executive reporting requirements will be developed through the CID Director's COMPSTAT program and data feeds between multiple interagency applications including IPPS-A will be developed, configured, and implemented.  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding increase will be used to develop a more efficient and effective database structure to store case information and develop mapping module for Army Law Enforcement & Tracking System (ALERTS).			
<b>Title:</b> SBIR/STTR Transfer  <b>Description:</b> Funding transferred in accordance with Title 15 USC §638  <b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638	-	0.046	-
<b>Accomplishments/Planned Programs Subtotals</b>	1.181	1.273	2.697

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OMA - Firm Fix Price: <i>Labor IT Support Services</i>	1.181	2.915	3.170	-	3.170	-	-	-	-	0.000	7.266

**Remarks**  
OMA dollars are used for the operations and maintenance of the CIMS environment which includes ensuring the mission applications are operational and available 24 hours, 365 days per year. It includes server patching with the latest security patches, backing up the data, providing customer service through a CIMS Help Desk, creating/deleting user accounts, monitoring the health of the server environment, operating the Army's Law Enforcement (LE) case management system.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>

**D. Acquisition Strategy**

USACID utilized Agile Development which is a process where development is broken up into several stages. It involves constant collaboration with the stakeholders for continuous improvement and changes in each stage. Development is delivered in Releases to the customer for testing and acceptance ensuring that the project stays on track. The CIMS contract ended 30 June 2022 and a bridge contract was put in place with an end date of 1 March 2023. A new contract will be negotiated to continue the RDT&E development of the CIMS applications.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>
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<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		0.046		-		-		-	0.000	0.046	-
<b>Subtotal</b>			-	-		0.046		-		-		-	0.000	0.046	N/A

<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Criminal Investigative Management System (CIMS)	C/CPFF	ACC-New Jersey : New Jersey	2.055	1.181	Jul 2022	1.227	Mar 2023	2.697	Feb 2024	-		2.697	0.000	7.160	-
<b>Subtotal</b>			2.055	1.181		1.227		2.697		-		2.697	0.000	7.160	N/A

**Remarks**  
CIMS will continue to establish DoD internal and external congressional mandated law enforcement data transfer initiatives.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	2.055	1.181	1.273	2.697	-	2.697	0.000	7.206	N/A

**Remarks**  
The FY24 funds will enable the modernization of ALERTS, which is the primary component of CIMS. Modernization will continue through FY 2024 with a new CIMS development contract.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>	

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
Criminal Investigative Management System (CIMS)_OY4/Bridge					[Redacted] contract award																							
Criminal Investigative Management System (CIMS)_Base					[Redacted] contract award																							
Criminal Investigative Management System (CIMS)_OY1									[Redacted] contract award																			
Criminal Investigative Management System (CIMS)_OY2													[Redacted] contract award															
Criminal Investigative Management System (CIMS)_OY3																	[Redacted] contract award											

**Note**  
There will be a vendor change with the base contract starting in FY23.

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> FM9 / <i>Information Technology for Criminal Investigations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Criminal Investigative Management System (CIMS)_ OY4/Bridge	4	2022	2	2023
Criminal Investigative Management System (CIMS)_Base	2	2023	2	2024
Criminal Investigative Management System (CIMS)_OY1	2	2024	2	2025
Criminal Investigative Management System (CIMS)_OY2	2	2025	2	2026
Criminal Investigative Management System (CIMS)_OY3	2	2026	2	2027

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
T04: <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>	-	8.753	2.221	2.239	-	2.239	2.240	2.242	2.617	2.646	0.000	22.958
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

USMIRS 1.1 Minimum Viable Product (MVP): Supports core functionality comprised of multiple sub applications and non-core applications modernization and testing and order writing applications. The US Military Entrance Processing Command Integrated Resource System (USMIRS) provides automation and communications capabilities to support the peacetime, mobilization and wartime military manpower accession mission for the Armed Services. USMEPCOM conducts its work through 65 Military Entrance Processing Station (MEPS) across the country and 189 Military Entrance Test Sites (METS). USMIRS provides automated support for conducting aptitude tests and medical examinations and administratively processing, enlisting and shipping applicants for the Armed Forces, Reserves, and Coast Guard. This includes support for automated versions of the Armed Services Vocational Aptitude Battery (ASVAB) tests. USMIRS initiates Social Security Administration (SSA) checks for identity verification; interfaces with US Citizenship & Immigration Services (USCIS) to verify citizenship status for military service applicants to screen out individuals that may be security threats; and interfaces with the Federal Bureau of Investigation (FBI) for background screening, using digital fingerprints to identify/eliminate individuals with criminal records from entering military service.

USMEPCOM reports operationally to the Office of the Under Secretary for Personnel and Readiness and has an executive agency (EA) agreement with the Army. USMEPCOM serves all six uniformed services, but only receives funding from the Army to perform its mission.

USMIRS supports recruiting capabilities through electronic interfaces and data sharing, using standard Department of Defense (DoD) data elements with Recruiting Service systems. In the event a military draft is required, USMIRS supports mobilization through electronic links with the Selective Service System (SSS) as well as automated support for conducting aptitude tests and medical examinations and administratively processing, inducting and shipping SSS registrants.

Customers/beneficiaries of this investment: the Accessions Community of Interest (ACOI), including components of the Army, Navy, Air Force, Marines, Coast Guard, Space Force, USMEPCOM, and Office of the Under Secretary of Defense (Personnel & Readiness).

Requested funding underpins system sustainability and scalability and improves cybersecurity to include protection of Personally Identifiable Information (PII). Funding covers costs to redesign/develop existing MIRS capabilities to operate efficiently in a cloud environment and to integrate with MHS-Genesis. This will allow for the closure of 65 Army data centers, in support of the Army Data Center Consolidation Plan (Army Directive 2016-38) and movement towards the Force of the Future mandate of all digital processing.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> USMIRS Modernization/Digitization	8.753	2.140	2.239

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> As of March FY21, the USMIRS 1.1 Minimum Viable Product (MVP) was launched. This is the core functionality of the system. USMIRS 1.1 is a system that is comprised of multiple sub applications, and those non-core applications will need to be modernized. FY22 RDTE supports the further modernization of non-core applications in the USMRIS system of systems such as our testing and order writing applications.</p> <p><b>FY 2023 Plans:</b> FY23 BASE funding supports the continual modernization of USMIRS 1.1 core system and supporting applications. These funds ensure that incremental modernization efforts can be completed in order to keep the new system current and secure.</p> <p><b>FY 2024 Plans:</b> FY24 BASE funding supports the continual modernization of USMIRS 1.1 core system and supporting applications. These funds ensure that incremental modernization efforts can be completed in order to keep the new system current and secure.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding increase reflects planned lifecycle of this effort.</p>			
<p><b>Title:</b> FY23 SBIR/STTR Transfer</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>	-	0.081	-
<b>Accomplishments/Planned Programs Subtotals</b>	8.753	2.221	2.239

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

N/A

**Remarks**

**D. Acquisition Strategy**

The overall effort of the USMEPCOM IT transformation is to modernize and fully digitize the US Military Entrance Processing Command Integrated Resource System (MIRS). The modernization of the system will minimize vulnerabilities and fully digitize 65 military entrance processing stations resulting in efficiencies to all six uniformed services.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMATION - IT MODERNIZATION</i>
<p>The modernization of the USMIRS system is being accomplished using the agile method of software development in short time-boxed "sprints". Program management functions were being performed by the Defense Digital Service (DDS). DDS managed an prototype development contract with a local consulting firm called Tandem (previously known as Devmynd. Based in Chicago IL). The DDS/Tandem effort ended in December of CY2019 and produced a prototype. An in-house program management element of USMEPCOM will manage a follow-on contract to turn the prototype USMIRS 1.1 into a deployable system in FY21.</p> <p>The efforts in FY21 and beyond will be to develop the non-core applications of USMIRS 1.1 (plug in items to the main system that communicate with other systems across all five uniformed services to include Army Accession Information Environment (AIE). The contracting for this is being done through GSA Chicago as the owning contract agency. This will most likely be awarded in October of FY2021 with work beginning in October.</p> <p>Milestones:</p> <ol style="list-style-type: none"> <li>1 - Core USMIRS 1.1 prototype delivered in December of Calendar 2019.</li> <li>2 - Award contract to develop core USMIRS 1.1 prototype into a Minimum Viable Product that can be deployed to the field in 2Q FY2021.</li> <li>3 - Award contract to develop the USMIRS 1.1 non-core applications (plug ins) in 1Q FY2021 with work to begin 2Q FY2021.</li> <li>4 - FY22 and beyond will be to primarily establish the link between various systems (AIE, MHS Genesis Etc).</li> </ol>		



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date: March 2023</b>		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>	

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
Develop Non-Core USMIRS 1.1 Applications																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Core USMIRS 1.1 Prototype is Delivered	1	2020	1	2020
Award Contract and Develop Prototype into MVP	1	2020	1	2021
Award Contract to Develop USMIRS 1.1 Non-Core Applications	1	2021	1	2021
Receive Finished MVP	1	2021	1	2021
Rollout Production MVP to the Field	1	2021	2	2021
Core USMIRS 1.1 FOC	2	2021	2	2021
Develop Non-Core USMIRS 1.1 Applications	1	2021	4	2030

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
T05: <i>Army Business System Modernization Initiatives</i>	-	19.855	24.875	65.143	-	65.143	24.574	18.328	18.007	17.591	0.000	188.373
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Global Force Information Management (GFIM): GFIM is an automated, integrated, and interoperable digital environment that enables the Army's Deploy to Redeploy/Retrograde (D2RR) end-to-end business processes in support of Dynamic Force Employment (DFE). The GFIM system will provide the core Global Force Management-Data Initiative (GFM-DI) compliant data necessary for Enterprise Resource Planning (ERP) systems, Business Mission Area (BMA) systems, and Warfighting Mission Area (WMA) systems to execute business processes efficiently and effectively in support of Army warfighting operations and Title 10 responsibilities.

Today, over 85% of these core Army Business Processes are accomplished manually or with tools that are end-of-life, do not meet current Cybersecurity/Technology requirements, and are hosted on disparate technology platforms that are unable to be integrated. GFIM will provide an integrated planning, programming, and production capability to dynamically develop, design, and document an Army at rest and an Army in motion. GFIM will evolve both long-term and immediate bridging solutions that integrate and automate Army operational business processes. The result will be an interoperable, collaborative environment to enable the seamless creation and exchange of authoritative data across the operational community of practice to provide rapid, accurate, and auditable outcomes that will support risk-informed senior leader decisions.

The Student Information Repository (SIR) Application will replace several independent applications and business processes used to track student data including, but not limited to, personal information, grades, attendance, official records, transcripts, teaching teams, student assignments, and surveys. It is a customized information system that is comprised of separate modules that are tied in together as one system.

Army Business System Modernization Initiatives (subline). The Program Planning Budget (PPB) - Business Operating System (BOS) will standardize and better integrate the transactional automated information systems used in the HQDA level programming and budgeting processes. These systems are core to the PPBE business processes of the HQ for gathering programmatic requirements, balancing resources and delivering the Army's program budget to OSD. This project is streamlining programming and budgeting processes and significantly improving strategic analysis capabilities. The project is architecting, reengineering, streamlining and consolidating HQDA systems, feeder data base systems, and streamlining the associated processes. Initiatives also support HQDA systems such as the Integrated Resource Management Information System (IRMIS) and Structure And Manpower Allocation System (SAMAS). These improvements will improve capability, eliminate redundancies and reduce overall cost of operations. The PPB BOS project is complementary to the Army's General Fund Enterprise Business System (GFEB) program. It includes a new effort in FY 2014, the Army Contract Writing System, a replacement for the DoD Standard Procurement System (SPS). This Project undertakes necessary efforts to integrate, implement, and build the next generation of Enterprise Business Systems capabilities. This effort is required to develop a converged, modernized Enterprise Resource Planning system that streamlines and integrates the Army's core business functions.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>
<p>Additive Manufacturing (AM) is a SEC Army priority. AM will fully integrate AM capabilities and enable the Digital Thread within the Army ERPs. It will provide a common collaboration portal to enable sharing of AM 3D print data across the Army and with other DoD entities to address Army readiness driver requirements. Capability will communicate and track user requests for AM 3D print data, and allow users to search for relevant 3D print data with feedback to Engineering Support Activities, Army industrial base and Army tactical units.</p> <p>The Enterprise Sustainment Management System (ESMS) Web Application is a cloud-based solution, bringing all real property infrastructure domains under the umbrella of a single SMS application. Performing long-range work requirements projections across all SMS domains allows for a comprehensive analysis of various courses of action and the related effects and tradeoffs of each decision. In addition to the incorporation of all SMS domains in a single application. The ESMS application provides increased control of user permission definition, teaming, and how permissions are applied; updated business intelligence reporting capabilities; and improved user experience, leveraging state of the art web development techniques for more efficient use from beginning to end. ESMS helps all real property asset management stakeholders - from civil engineers, technicians and managers to headquarters - decide when, where and how to best maintain existing infrastructure. Because assets are so vast and diverse, a "knowledge-based" philosophy drives the SMS process.</p> <p>Army Energy and Water Reporting System (AEWRS) is used to collect rollups of energy/water usage and program management at Army installations. AEWRS is the Army's official database of record for all energy and water usage data, and energy program management information. It provides the basis for documenting Army progress in meeting statutory and mandated performance metrics. Data is passed other systems and to DOD to be joined by similar energy and water data from the other services. AEWRS incorporated as a module the Solid Waste Annual Reporting for the Web (SWARWeb) which is the Army's official database of record for solid waste management and recycling data at the Installation, Subordinate Command, Major Command, Region and Army levels. Data is collected for disposal sites, disposal and recycling transactions, recycling revenues and recycling program management. Solid waste data collected throughout the fiscal year is submitted to higher command levels to fulfill reporting requirements and to track compliance with DoD waste reduction/recycling goals.</p> <p>IEE EBS BUILDER and PAVER DoD requires a standardized, auditable, process for facility condition assessments and the calculation of deferred maintenance. The DoD uses the Sustainment Management System (SMS) to conduct real property condition assessments, identify work requirements, and report on real property asset conditions. SMS provides a consistent baseline for condition assessment of all assets across DoD.</p> <p>This effort develops interfaces with Enterprise Business Systems-Convergence (EBS-C) within the Army's Enterprise Business System Multi-Functional Capabilities Team (EBS-MFCT) for Installations, Energy, and the Environment (IEE) domain related to construction and real property.</p> <p>This effort develops and integrates modules for buildings (BUILDER) and pavement (PAVER) to modernize and consolidate these modules so that installations can manage all assets in a single enterprise system called Enterprise SMS (ESMS).</p> <p>The Enterprise Architecture Business Systems Consolidation effort provides direct execution support for the following Major Objectives of ACP - Army Campaign Plan Strategy Map. The objective is a reduced number of systems and reduced IT costs. Current systems include Headquarters Installation Information System (HQIIS),</p>		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>
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Installation Decision Support (IDS), Real Property Planning and Analysis System (RPLANS), Army Stationing and Installation Plan, Installation Geospatial Information & Services (IGI&S), and Installations Status Report (ISR).

The Vantage Program [previously Army Leader Dashboard (ALD)] is a data integration and visualization platform that enables the Army to "see itself" by providing Senior Leaders, Soldiers, Staff, and analytic communities with a common, integrated data platform to visualize and analyze the current and predicted future state(s) of the Army. Vantage spans all data domains, powers a set of configurable views, and provides tools for making data-driven decisions at every level of the Army.

The Army Vantage Program is a data integration and visualization platform that enables the Army to "see itself" by providing Senior Leaders, Soldiers, Staff, and analytic communities with a common, integrated data platform to visualize and analyze the current and predicted future state(s) of the Army. Spans all data domains, powers a set of configurable views, and provides tools for making data-driven decisions at every level of the Army. VANTAGE supports up to five concurrent lines of effort (LOEs) - investments in new use cases, workflows, or capabilities. LOEs focus on platform configuration, data integration, and user engagement for select critical workflows. The features and advantages of the platform allow the Army to (1) see itself clearly through its data, (2) meet its strategic modernization objectives, and (3) rapidly realize ROI.

Enterprise Business Systems-Convergence (EBS-C)- In 2019, SAP announced that the current application, Enterprise Central Component (ECC), would not be maintained after 2027 and customers will be required to upgrade to their new version SAP S/4 HANA. In response to this notification, the Army conducted studies in 2019/2020 by the Business Enterprise IT Leaders Group chaired by the Office of Business Transformation. Based on the results of these studies and direction from the Under Secretary of the Army, EBS-C is executing a strategic approach to modernize the Army business system landscape; align modern combat and combat support system capabilities with existing modernization efforts to enable Army force dominance during multi-domain large-scale combat operations in contested logistics environments; and improve overall Army financial operations resulting in improved financial management and successful audit outcomes. The Army is working EBS-C requirements to improve process agility and cross process integration; provide consistent user experiences with an intuitive user interface; and improve data integrity and security. At the enterprise level, EBS-C seeks to integrate financial and logistics processes and create opportunities to decrease overall DBS redundancies and duplications existing in the Army portfolio. In order to achieve the EBS-C mission, the RDT&E in FY24 will set the conditions for the innovation required to implement a de-customized ERP solution integrated with an agility layer providing an intuitive user interface with minimal customization reducing long term maintenance costs. The in-scope Defense Business Systems (DBS) for this effort include General Funds Enterprise Business Systems (GFEBs) and GFEBs-Sensitive Activities (SA), Logistics Management Program (LMP), Global Combat Support System (GCSS)-Army, Army Enterprise System Integration Program (AESIP) Hub, and numerous non-ERP systems performing needed logistics and financial functions.

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

	FY 2022	FY 2023	FY 2024
<p><b>Title:</b> Global Force Information Management</p> <p><b>Description:</b> GFIM will provide the Army an integrated, interoperable, and authoritative global force management transactional capability for lifecycle management of global force/organizational structure data for the entire Army. This effort is in direct support of dynamic force structure and dynamic force employment as directed in the National Defense Strategy. GFIM will establish a common standard for force structure data by implementing OSD's Global Force Management-Data Initiative (GFM-DI) directive and Army Data Standard. GFIM will replace the capabilities of 14 legacy systems and 26 subsystems that support the Army's end to end (E2E) business processes for Deploy to Redeploy and Retrograde of Materiel (D2RR). GFIM awarded an OTA Agreement</p>	9.705	13.230	17.075

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>for a Phase 1 Minimum Viable Product (MVP) (Develop the Future Force) and Phase 2 prototype (Provide the Current Force) activities. The OTA will also establish an IL5 and IL6 cloud environment and integrate with the other two components of the GFIM Objective Environment (OE) (D2RR Data Lake and Analytical Tool) to ensure an integrated and inter-operable environment is delivered and the Army can sunset legacy systems.</p> <p><b>FY 2023 Plans:</b> Using the existing GFIM OTA, FY23 RDTE funds will be used to continue development of the two elements of the GFIM Transactional Material System (TMS) - Develop the Future Force (DFF) and Provide the Current Force (PCF). In FY22 under Phase 1 of the OTA, the vendor developed the DFF prototype, which equates to 50% development completion. In FY23, this DFF prototype will be further developed to the Minimum Viable Product (MVP) solution which equates to 70% completion. The PMO will initiate development of the second element, PCF, and will complete the PCF prototype (50% solution) and MVP (70% solution) using FY23 RDTE funds. These two MVPs combine to form the authoritative transactional capability that creates the requisite force structure, deployment, and readiness data needed to man, equip, train, ready, and resource an Army at Rest and an Army in Motion. Costs includes software engineering, application development, data analytics, PMO SETA support, cloud hosting, and development of Cybersecurity protocols/requirements (Security Control Assessor-Validator (SCA-V) scans and assessments, IL5 and IL6 Authority To Operate (ATOs), etc.). FY23 funds will also be used to conduct developmental testing (Unit Verification Testing (UVT) and Unit Acceptance Testing (UAT)) throughout the OTA development process in order to ensure a robust, capable, user community-accepted product is delivered at the end of Phase 2. Phase 2 activities are scheduled to complete in Q1FY24.</p> <p><b>FY 2024 Plans:</b> GFIM will use FY24 RDTE funding to award a FAR-based Production Contract in coordination with Army Contracting Command - Rock Island, IL (ACC-RI). The contract is scheduled to be awarded in Q1FY24. The FY24 RDTE funding will be used to complete development of the DFF and PCF MVPs from the 70% solution to 100% solution. The capabilities will be architected to reside in the established cArmy hosting environment. The vendor, in coordination with the PMO and functional sponsor, will also develop the GFIM training plan and training materials (virtual, embedded, and targeted fielding materials). These capabilities provide the Army with a fully functional, integrated, interoperable transactional platform that creates and develops the requisite force structure, deployment, redeployment, retrograde, and readiness data needed to man, equip, train, ready, and resource the force and feed the Army's Enterprise Resource Planning (ERPs) and Non-ERPs in support of multi-domain operations. Development during FY24 will position the Army to sunset the 14 legacy systems being replaced by GFIM.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Increase funding supports modifying the acquisition strategy for hosting solutions (moving from Government Cloud hosting to the Army Cloud Hosting environment) to increase efficiencies in FY24. This will streamline the architectures into a single, more efficient architecture and provide cost avoidance in the out-years.				
<p><b>Title:</b> Army Business System Modernization Initiatives</p> <p><b>Description:</b> Modernization requirements will add new capabilities to legacy IT systems that support human resource functions such as organization and position management, training, and employment. The PPB BOS system standardize and integrate the transactional information systems used in the Headquarters Department of Army (HQDA) Programming and Budgeting processes. The program is streamlining programming and budgeting business processes and significantly improving strategic analysis capabilities. The PPB BOS architecture reengineers, streamlines, and consolidates HQDA systems and financial feeder systems; aligns to the DoD Business Enterprise Architecture (BEA); implements powerful business intelligence analytical tools to support strategic planning, programming, and budgeting within HQDA; and provides access to GFEBS funds management and execution data through system interfaces with required SFIS compliancy integral to the PPB BOS data model. The LEAP program will provide criminal intelligence querying and reporting capabilities in compliance with regulatory and policy standards for Army Law Enforcement regarding investigation of felony crimes. LEAP captures criminal case investigative information regarding incidents, location descriptors, entities (name, social security number, rank, title, physical characteristics, sex, birth place, and date), agent assignment, crime description and identifiers, statements, property data, laboratory tests; verifies and stores this data for criminal intelligence purposes: and reports this information to the proper authorities from the Division Commanding Officer to the United States Grand Jury. The system will extract necessary data for consolidation and input to Defense Incident-Based Reporting System (DIBRS) monthly reports, National Incident-Based Reporting System (NIBRS) monthly reports and the Defense Clearance and Investigations Index (DCII) daily updates. The LIMS system will automate business processes that support the forensic examiners. These processes include, but are not limited to, analytics, materials management, management reporting, Freedom of Information Act requests (FOIA), legal discovery request, court preparation and outsource processing.</p> <p>Civilian Personnel Online - Portal (CPOL-Portal) is a one stop secure site which provides Army civilian employees and HR specialists access to a private portal with a complete set of employment related resources, links and web based applications that require single sign-on access - Army Regional Tools (ART). CPOL-Portal will provide an Integrated Management System (IMS) in support of Civilian Workforce Transformation (CWT). It will support Civilian human capital decision making and allow leaders and employees to perform their roles more efficiently in support of Army goals and missions. CPOL Portal will provide the full spectrum of IT application support and access to Acquire, Develop, Distribute and Sustain</p>		5.676	-	0.572

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>components of the Army Civilian HCM Life-Cycle and link to G3 'Structure' IT Enterprise Applications.</p> <p>The Fully Automated System for Classification (FASCLASS) is a centralized, web-based system that maintains civilian position descriptions and position related information across Department of the Army. It provides classifiers and managers capability to create, edit, and verify position descriptions. Also it offers robust search, report generation, and lookup &amp; support capabilities.</p> <p>The Overseas Entitlement Tracker (OET) provides the capability to accurately track Living Quarters Allowance (LQA). LQA is provided to reimburse employees for suitable, adequate living quarters at posts where the U.S. Government does not provide quarters. OET also tracks these other overseas entitlements for employees: Advance Pay, Danger Pay, Imminent Danger Pay, Foreign Differential, Home Leave, Post Allowance, Separation Maintenance Allowance, and Temporary Quarters Subsistence Allowance.</p> <p><b>FY 2024 Plans:</b> Continue to fund new and existing Army Business System Modernization Initiatives.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Increase in funding to fund new efforts for Army business system modernization.</p>				
<p><b>Title:</b> Corp of Engineers Installation IT Support</p> <p><b>Description:</b> This effort serves as the foundation to modernize Army Installation IT systems to include analytic, planning and visualization capabilities; and integration of diverse installation enterprise data sources in a common platform.</p>		0.951	-	-
<p><b>Title:</b> Additive Manufacturing</p> <p><b>Description:</b> Additive Manufacturing (AM) is a SEC Army priority. AM will fully integrate AM capabilities and enable the Digital Thread within the Army ERPs. It will provide a common collaboration portal to enable sharing of AM 3D print data across the Army and with other DoD entities to address Army readiness driver requirements. Capability will communicate and track user requests for AM 3D print data, and allow users to search for relevant 3D print data with feedback to Engineering Support Activities, Army industrial base and Army tactical units. It will also enable interface between the LMP DT repository and the DLA JAMMEX system</p>		1.807	-	-
<p><b>Title:</b> Installation Systems Modernization</p> <p><b>Description:</b> Consolidation of installation systems and upgrades of applications</p>		1.716	-	-
<p><b>Title:</b> Army Vantage</p>		-	9.455	3.013

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Description: The Army Vantage Program is a data integration and visualization platform that enables the Army to "see itself" by providing Senior Leaders, Soldiers, Staff, and analytic communities with a common, integrated data platform to visualize and analyze the current and predicted future state(s) of the Army. Spans all data domains, powers a set of configurable views, and provides tools for making data-driven decisions at every level of the Army. The features and advantages of the platform allow the Army to (1) see itself clearly through its data, (2) meet its strategic modernization objectives, and (3) rapidly realize ROI.</p> <p><b>FY 2023 Plans:</b> FY23 RDTE funds will be used to assess and evaluate Advana capabilities, define requirements and build Army Vantage capabilities, and improve the trustworthiness of Vantage by supporting process champions, domain data stewards and other subject matter experts verify and endorse the data, sources, pipeline integration and logic. Will also be used to improve data quality by making all data visible, accessible, understandable, trusted and interoperable. Make data available to external partners through Common Data Platform capabilities.</p> <p><b>FY 2024 Plans:</b> FY24 RDTE will be used to continue effort(s) with ADVANA to mitigate risk with enterprise data platform migration. Pilot an open architecture universal data connection adapter to broker data with legacy systems. Further support the Army CIOs API layer enabling the enterprise data mesh construct.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Decrease in FY24 is to continue the development of an Army Community Space in ADVANA with the majority of the work performed in FY23.</p>			
<p><b>Title:</b> Enterprise Resource Planning (ERP) Modernization</p> <p><b>Description:</b> The Army created the EBS-C initiative as a strategic direction to modernize the Army business system landscape, align modern combat and combat support system capabilities with existing modernization efforts to enable Army force dominance during multi-domain large-scale combat operations in contested logistics environments, and improve overall Army financial operations resulting in improved financial management and successful audit outcomes. In-scope DBS for this effort include GFEBs and GFEBs-SA, LMP, GCSS-Army, AESIP Hub, and numerous non-ERP systems performing needed logistics and financial functions.</p> <p><b>FY 2023 Plans:</b> Funds will be used to analyze legacy ERPs to consider modernization efforts in preparation for development efforts starting in FY24.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>	-	0.021	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Funding realigned to EBS-C accomplishment within this program element.				
<p><b>Title:</b> IEE EBS SYSTEM CONSOLIDATION</p> <p><b>Description:</b> Development of interface of legacy DBS systems with Enterprise Resource Planning (ERP) modernization efforts.</p> <p><b>FY 2023 Plans:</b> In FY23 RDTE fund will be used for preliminary development of interface of legacy DBS systems with Enterprise Resource Planning (ERP) modernization.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding realigned to EBS-C accomplishment within this program element.</p>		-	0.488	-
<p><b>Title:</b> IEE EBS FOR FACILITY &amp; ENERGY SYSTEMS (AWERS AND SWARWeb)</p> <p><b>Description:</b> Update application software for the Army Energy and Water Reporting System (AEWRS). AEWRS is the Army's official database of record for all energy and water usage data, energy program management information, and solid waste management/recycling program information. AEWRS provides the basis for documenting and reporting Army progress in meeting statutory and mandated performance metrics for the active Army, National Guard, Reserves at the Installation, Subordinate Command, Major Command, Region, Headquarters, and supporting organization levels. Army data is reported to DoD to be joined with similar reporting from other services and reporting agencies. AEWRS incorporated as a module the Solid Waste Annual Reporting for the Web (SWARWeb) system which was decommissioned. Funding is required to modernize application software and update/expand data collection as required by revised statutes and federal/DoD policies.</p> <p><b>FY 2023 Plans:</b> In FY23 RDTE funds will be used to update application software for the Army Energy and Water Reporting System (AEWRS). AEWRS is the Army's official database of record for all energy and water usage data, energy program management information, and solid waste management/recycling program information. AEWRS provides the basis for documenting and reporting Army progress in meeting statutory and mandated performance metrics for the active Army, National Guard, Reserves at the Installation, Subordinate Command, Major Command, Region, Headquarters, and supporting organization levels. Army data is reported to DoD to be joined with similar reporting from other services and reporting agencies. AEWRS incorporated as a module the Solid Waste Annual Reporting for the Web (SWARWeb) system which was decommissioned. Funding is required to modernize application software and update/expand data collection as required by revised statutes and federal/DoD policies.</p> <p><b>FY 2024 Plans:</b> In FY24 RDTE funds will be used to modernize application software for the Army Energy and Water Reporting System (AEWRS) from the earlier software to improve its risk management posture, as well as providing additional of mandated reporting capabilities required by revised statutes and federal/DoD policies. AEWRS is the Army's official database of record for all energy</p>		-	0.303	0.405

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
and water usage data, and energy program management information. AEWRS incorporated as a module the Solid Waste Annual Reporting for the Web (SWARWeb) system which was decommissioned.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Program increase reflects planned lifecycle of this effort.				
<b>Title:</b> IEE EBS BUILDER and PAVER		-	0.470	2.147
<b>Description:</b> Development of interface of Interface Energy and Environment related to Construction and Real Property with Enterprise Business Systems-Convergence (EBS-C) for Multifunctional Capabilities Team (MFCT). In addition, FY23 RDTE funds will be used for preliminary development of interface of interface Energy and Environment related to Construction and development of the Real Property Enterprise Sustainment Management System (SMS) BUILDER SMS, and PAVER SMS.				
<b>FY 2023 Plans:</b> In FY23 RDTE fund will be used for preliminary development of interface of Interface Energy and Environment related to Construction and Real Property with Enterprise Business Systems-Convergence (EBS-C) for Multifunctional Capabilities Team (MFCT). In addition, FY23 RDTE funds will be used for preliminary development of interface of interface Energy and Environment related to Construction and development of the Real Property Enterprise Sustainment Management System (SMS) BUILDER SMS, and PAVER SMS.				
<b>FY 2024 Plans:</b> Continued development of ESMS to integrate data, models, work planning, and analysis tools from BUILDER and PAVER. Further develop the Application Programming Interface (API). This work is critical to make ESMS data available to EBS-C and other enterprise systems in support of DoD and Army readiness assessment and prioritization of sustainment resources across the Department and Service.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Increase in Funding supports extensive software development efforts expanding from the foundational work accomplished in FY23, including development of PAVER specific technology and methodology into the ESMS platform.				
<b>Title:</b> Enterprise Business Systems -Convergence		-	-	41.931
<b>Description:</b> In 2019, SAP announced that SAP would be moving to the next generation software, S4/HANA, as a replacement of the current software, ECC. As part of the risk reduction efforts, the Army is executing an Other Transaction Authority (OTA) to identify a Technical Integration Provider or multiple providers to support the development of the EBS-C solution. This will lead to development of the EBS-C solution with a planned initial capability in early FY26.				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

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

The in-scope Defense Business Systems (DBS) for this effort include GFEBS and GFEBS-SA, LMP, GCSS-Army, AESIP Hub, and numerous non-ERP systems performing needed logistics and financial functions. The Army is working EBS-C requirements to improve process agility and cross-process integration, provide consistent user experiences with an intuitive user interface, and improve data integrity and security. At the enterprise level, EBS-C seeks to integrate financial and logistics processes and create opportunities to decrease overall DBS redundancies and duplications existing in the Army portfolio.  
 FY 2024 funding supports development engineering, integration, testing, training development and program management to establish planned capabilities of the program.

**FY 2024 Plans:**

RDT&E funding in FY24 to support EBS-C will provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management plan, Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the EBS-C implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, the EBS-C team will establish a Lean Agile Center of Excellence (LACE) to prepare for rapid capability development providing capability to the warfighter through Continuous Integration and Continuous Deployment (CI/CD). The LACE will create the agile oversight and methodology to integrate with the TIP's agile development approach at the end of FY24.

Product and Software Development: \$23.8M

Description: Product and Software Development and prototyping includes all efforts related to the technical integration provider's labor costs for developing Minimum Viable Products (MVPs) of the ERP Modernized solution in the IL4 and IL6 cloud hosted environment. The vendors will demonstrate their solution through various knowledge points to Army SMEs and leadership while maintaining high levels of cybersecurity posture to set the foundation for Initial Authority to Test (IATT) and Authority to Operate (ATO).

Program Support: \$15.1M

Description: Program support includes program operations, acquisition support, system engineering, technical management, agile implementation support and test management for the ERP Modernized solution. Costs include government management, contractor support, travel and facilities.

Cloud Support Development \$3.0M

FY 2022	FY 2023	FY 2024

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>Description: Cloud support includes all costs related to cloud support provider (CSP), managed services provider (MSP), remote access for vendors, in support of Impact Level 4 and Impact Level 6 environments. Environments will include sandbox and development for the vendors conducting the prototypes for ERP Modernization.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Increase in FY24 supports implementation and enables funding to be executed in the EBS-C official program of record contract support, system integration services and implementation of the engineering to deliver Minimum Viable Products in support of Initial Limited Deployment (ILD) planned for FY26 (pending vendor feedback). The EBS-C effort intends to converge five logistics and financial ERP systems (GFEBs, GFEBs-SA, GCSS-ARMY, LMP, and AESIP) as well as numerous, smaller defense business systems reducing redundancy existing across the systems and providing a user informed experience and interface for Soldiers and civilians.</p>			
<p><b>Title:</b> SBIR/STTR</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 Plans:</b> Funding transferred in accordance with Title 15 USC §638</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC §638</p>	-	0.908	-
<b>Accomplishments/Planned Programs Subtotals</b>	19.855	24.875	65.143

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• B66002: Army <i>Contract Writing System</i>	14.957	4.075	6.061	-	6.061	14.226	9.858	10.064	10.274	0.000	69.515
• OMA - 438001000: <i>Operations and Maintenance</i>	-	-	70.254	-	70.254	114.400	118.100	121.500	126.119	0.000	550.373

**Remarks**  
OMA and OPA funding for EBS-C were programmed in POM24-28.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

**D. Acquisition Strategy**

GFIM utilizes an Other Transactional Authority (OTA) vehicle for development of the GFIM prototypes and Minimum Viable Products through Q1FY24. GFIM plans to award a Federal Acquisition Regulation (FAR)-based production contract through Army Contracting Command-Rock Island (ACC-RI) in Q1FY24 to finalize development of the GFIM solution, transition the architecture to the cArmy hosting environment, and transition to the production environment. The Army is working through the optimal approach and will include contract options for FY25 and out.

EBS-C is following the Business Capability Acquisition Cycle and is expected to be a BCAT I Program. As part of the risk reduction efforts, the Army is executing an Other Transaction Authority (OTA) to identify a Technical Integration Provider or multiple providers to support the development of the EBS-C solution. The first prototype award to multiple vendors will be executed in FY23 with a final vendor selection to be completed by the end of FY24. This will lead to development of the EBS-C solution with a planned initial capability in early FY26. Additionally, EBS-C is developing a production contract for the deployment, enhancement and sustainment of the cloud-solution in the cArmy infrastructure.

Army Vantage is following the Business Capability Acquisition Cycle and is expected to be a BCAT II program. As a part of risk reduction efforts in the transition of the Other Transaction Authority (OTA) Army Vantage pilot, FY24 RDTE will be used to continue effort(s) with the ADVANA Army Community, pilot an open architecture universal data connector adapter to broker data with legacy systems, and further support the Army Chief Information Officer's (CIO) API layer pilots informing the enterprise data mesh construct.

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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 / 5				PE 0605013A / Information Technology Development				T05 / Army Business System Modernization Initiatives							
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
OA22 - G-8 Funding	TBD	TBD : TBD	-	1.716		-		-		-		-	0.000	1.716	-
SBIR/STTR	TBD	Various : Various	-	-		0.908		-		-		-	0.000	0.908	-
<b>Subtotal</b>			-	1.716		0.908		-		-		-	0.000	2.624	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
Army Business System Modernization Initiatives	TBD	To Be Determined : To Be Determined	34.435	5.676		-		0.572		-		0.572	Continuing	Continuing	-
Global Force Information Management	Option/CPAF	CACI : Chantilly, VA	15.644	9.705		13.230		17.075		-		17.075	Continuing	Continuing	Continuing
Corp of Engineers Installation IT Suppor	MIPR	Engineer Research and Development Center : Champaign IL	1.725	0.951		-		-		-		-	0.000	2.676	-
Additive Manufacturing	C/CPFF	Accenture : Picatinny Arsenal NJ	4.958	1.807		-		-		-		-	0.000	6.765	-
VANTAGE	C/TBD	TBD : TBD	-	-		9.455		3.013		-		3.013	0.000	12.468	-
Enterprise Business Systems Convergence (EBS-C)	C/TBD	TBD : TBD	-	-		-		41.931		-		41.931	0.000	41.931	-
IEE EBS SYSTEM CONSOLIDATION	C/TBD	TBD : TBD	-	-		0.488		-		-		-	0.000	0.488	-
IEE EBS FOR FACILITY & ENERGY SYSTEMS (AEWRS AND SWARWeb)	C/TBD	TBD : TBD	-	-		0.303		0.405		-		0.405	0.000	0.708	-
IEE EBS BUILDER and PAVER	C/TBD	TBD : TBD	-	-		0.470		2.147		-		2.147	0.000	2.617	-
ERP Modernization	C/TBD	TBD : TBD	-	-		0.021		-		-		-	0.000	0.021	-
<b>Subtotal</b>			56.762	18.139		23.967		65.143		-		65.143	Continuing	Continuing	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			

**Remarks**  
 Global Force Information Management (GFIM): GFIM will provide the Army an enterprise, integrated authoritative force management capability for lifecycle management of force/organizational structure data for the total force. In addition, it will establish a common data standard for force structure data by implementing the Global Force Management - Data Initiative (GFM-DI).  
  
 The Army Human Resources Command (HRC) has several efforts for which RDT&E will be applied. One is to prepare those systems for subsumption into the Integrated Personnel and Pay System (IPPS-A). The other is to disconnect and upgrade those systems not being subsumed by IPPS-A. Systems that will be targeted by HRC to prepare for IPPS-A subsumption or upgrade are the Automated Orders and resources System (AORS), Army Selection Board System (ASBS), Data Base Administration Suite of System (DBA), Enlisted Distribution and Assignment system (EDAS), Enlisted Promotion Model (EPM), Enterprise Service Bus (ESB), Human Resource Command Identity Management System (HIMS), Integrated Total Army Personnel Database (ITAPDB), Officer Selection Support System (OSSS), Reserve Statistics Accounting System/ Reserve Component Common Personnel Data System (RSAS/RCCPDS), Senior Enlisted Promotions Model (SEPM), Single Evaluation Processing System (SEPS), Soldier Management System Webified Suite of System (SMSWEB), Total Army Personnel Data Base - Active Enlisted (TAPDB-AE), Total Army Personnel Data Base - Active Officer (TAPDB-AO), Total Army Personnel Data Base - Active Reserve (TAPDB-AR), Total Officer Personnel Management Information System (TOPMIS), Total Officer Personnel Management Information System II (TOPMIS II), Keystone Request/Retain System, and the Interactive Personnel Electronic Records Management System (iPERMS).  
  
 HRC Core IT: Award date shown reflects iPERMS IT Integration Contract. SMS-WEB and ASBS 2.0 are on the Digital Application Support Task Order (DASTO) with an award date of 6 Feb 2018.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	56.762	19.855	24.875	65.143	-	65.143	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

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
Global Force Information Management	[Redacted]																											
GFIM TMS Development	[Redacted]																											
SFL-TAP XXI Modernization	[Redacted]																											
SFL-TAP XXI	[Redacted]																											
GFIM TMS OTA Ph1	[Redacted]																											
GFIM Production Contract Award	[Redacted]																											
GFIM Production Contract	[Redacted]																											
GFIM Production Contract OY1	[Redacted]																											
GFIM Production Contract OY2	[Redacted]																											
GFIM TMS OTA Ph2	[Redacted]																											
GFIM Transactional Management System (TMS) OTA	[Redacted]																											
VANTAGE	[Redacted]																											
VANTAGE	[Redacted]																											
EBS-C Functional Requirements ATP	[Redacted]																											
EBS-C OTA Risk Reduction Prototyping	[Redacted]																											
EBS-C Acquisition ATP	[Redacted]																											

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	

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				
EBS-C OTA Phase 2 ILD Deployment													EBS-C																			
EBS-C Limited Deployment ATP																					4 EBS-C											
EBS-C Phase 3 Cont Integration/Cont Dev																					EBS-C											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Global Force Information Management	2	2019	4	2026
HRC Core IT	4	2018	4	2020
SFL-TAP XXI Modernization	1	2019	4	2024
GFIM TMS OTA Ph1	3	2023	1	2024
GFIM Production Contract Award	1	2024	1	2024
GFIM Production Contract	1	2024	1	2025
GFIM Production Contract OY1	1	2025	1	2026
GFIM Production Contract OY2	1	2026	1	2027
GFIM TMS OTA Ph2	4	2022	3	2023
GFIM Transactional Management System (TMS) OTA	1	2022	4	2022
Capabilities Requirement Document	1	2020	1	2021
VANTAGE	1	2018	4	2027
EBS-C Functional Requirements ATP	3	2023	3	2023
EBS-C OTA Risk Reduction Prototyping	4	2023	4	2024
EBS-C Acquisition ATP	3	2024	3	2024
EBS-C OTA Phase 2 ILD Deployment	4	2024	2	2026
EBS-C Limited Deployment ATP	2	2026	2	2026
EBS-C Phase 3 Cont Integration/Cont Dev	3	2026	4	2032

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> VR3 / <i>ASMIS-R (REPORTIT)</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
VR3: <i>ASMIS-R (REPORTIT)</i>	-	3.064	3.341	3.270	-	3.270	3.350	3.386	3.423	3.494	0.000	23.328
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Army Safety Management Information System (ASMIS) 2.0 is the Army's designated system of record for Army Safety and Occupational Health (SOH) data collection, information management, decision support, and reporting. It is built to holistically support the information management needs of the Army SOH program in accordance with Public Law 91-596, Executive Order 12196, DoDI 6055.01, The Army Strategy LOE 1: Build Readiness, LOE 2: Modernize, AR 385-10, and ASA(IEE) strategic guidance. ASMIS 2.0 provides support for the five key Army SOH capabilities: (1) Mishap and Near Miss Investigations and Reporting, (2) Safety Assessments and Inspections, (3) Hazard Management, (4) SOH Program Management, and (5) SOH Training and Education.

ASMIS 2.0 enables commanders and Army senior leaders to use data collected via these five key capabilities and other DoD data sources to prevent accidental losses, reduce associated costs, and enhance readiness. ASMIS 2.0 currently interfaces with 9 DoD systems and will interface with 22 upon completion. It directly supports the Warfighter through improved IT-enabled business processes and enterprise data analytics to enhance decision-making at all levels of the Army through greater use of leading indicators. In support of the Army Data Strategy, ASMIS 2.0 enables the Army to make SOH data visible, accessible, understandable, linked, trustworthy, interoperable, and secure (VAULTIS). Beyond the cost avoidance and reduction achieved by loss prevention, ASMIS 2.0 provides additional cost savings by eliminating 12 legacy systems.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> ASMIS-R Development	3.064	3.219	3.270
<b>Description:</b> ASMIS 2.0 provides a framework of people, processes, and technology to synchronize, integrate and optimize Army SOH capabilities to preserve war fighting capabilities and enhance the force by providing a safe and healthy environment for Soldiers, Families, Civilians, and contractors. An analysis of Army SOH DOTMLPF-P in 2014 determined that the legacy system, a Defense Business System, was not able to satisfy current and emerging SOH capability requirements without modernization to resolve these capability gaps. Changes in requirements for the Army Safety and Health Management System (Programmatic) related to DoDI 6055.01, AR 385-10, Information Assurance requirements and direct feedback from the Safety professionals within the DoD and the Army have resulted in the need for changes in associated business processes. Additionally, a business gap analysis performed by the ASA(ESOH) revealed a deficiency in the system's requirements that would support Army Commands in identifying hazards in the workplace, determining hazard mitigation strategies and controls, employing these strategies and controls, and measuring their potential for reducing mishaps. Addressing these problems will have an immediate and direct impact on meeting regulatory requirements, improving data integrity, improving information assurance posture (compliance), increasing the Army's ability to reduce mishaps across the force structure, and promoting ARFORGEN capabilities.			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> VR3 / <i>ASMIS-R (REPORTIT)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b><i>FY 2023 Plans:</i></b> Continue modernization of ASMIS 2.0. In FY23 the Program Management capability will be reach interim operating capability and will be available for Army-wide use to provide safety professionals, commanders, and senior leaders to effectively measure the health of their SOH programs and focus efforts on the areas needed to prevent loss.</p> <p><b><i>FY 2024 Plans:</i></b> In FY24 the SOH Training &amp; Education capability will be fielded for Army-wide use. This module will enable safety professionals and supervisors to effectively execute and track SOH training based on individual job analyses and needs.</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Funding decrease reflects planned lifecycle of this effort.</p>			
<p><b><i>Title:</i></b> SBIR/STTR Transfer</p> <p><b><i>Description:</i></b> Funding transferred in accordance with Title 15 USC §638</p> <p><b><i>FY 2023 Plans:</i></b> Funding transferred in accordance with Title 15 USC §638</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Funding transferred in accordance with Title 15 USC §638</p>	-	0.122	-
<b>Accomplishments/Planned Programs Subtotals</b>	3.064	3.341	3.270

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

**Remarks**

**D. Acquisition Strategy**  
ASMIS 2.0 is comprised of five distinct capabilities, as outlined on the previous page, and each of these is being developed incrementally with a strategic sequencing that enables the primary data collection modules to be completed first with the risk analysis and program management modules executed subsequently.

The acquisition strategy employed executed separate contracts for the construction of the first three modules, with a distinct deployment phase concluding the last two. With the maturity of the fielded capabilities in support of the first three, a multi-year contract was issued for the sustainment and operation of the first three modules and the development and deployment of the latter two. This contract will enter Option Year 1 in May 2022 with another option year thereafter.

Acquisition is executed and managed by the USACRC and the organization is directly engaged with its Contracting Office and Contracting Office Representative.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / Information Technology Development	<b>Project (Number/Name)</b> VR3 / ASMIS-R (REPORTIT)
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<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SBIR/STTR Transfer	TBD	TBD : TBD	-	-		0.122		-		-		-	0.000	0.122	-
<b>Subtotal</b>			-	-		0.122		-		-		-	0.000	0.122	N/A

<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
ASMIS-R	MIPR	DLA : Fort Belvoir, VA	1.109	-		0.341		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			1.109	-		0.341		-		-		-	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
ASMIS-R	MIPR	DLA : Fort Belvoir, VA	9.296	3.064		2.878		3.270		-		3.270	Continuing	Continuing	Continuing
<b>Subtotal</b>			9.296	3.064		2.878		3.270		-		3.270	Continuing	Continuing	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>		10.405	3.064	3.341	3.270	-	3.270	Continuing	Continuing	N/A

**Remarks**

**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Army</b>			<b>Date: March 2023</b>		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> VR3 / <i>ASMIS-R (REPORTIT)</i>	

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
Product Development																												

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Army		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> VR3 / <i>ASMIS-R (REPORTIT)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Product Development	3	2018	4	2027