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| Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|--|-------------|---------|---------|--------------|---|---------------|---------|---------|---------|------------------|------------------|------------|
| Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD) | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| Total Program Element | - | 62.613 | 77.686 | 126.537 | - | 126.537 | 150.493 | 134.912 | 60.451 | 30.429 | 0.000 | 643.121 |
| 099: Army Human Resource System | - | 12.845 | 1.503 | 2.477 | - | 2.477 | 0.839 | 0.316 | 0.210 | 0.210 | 0.000 | 18.400 |
| 184: Installation Support Modules | - | 1.460 | 1.627 | 1.503 | - | 1.503 | 1.411 | 1.278 | 1.295 | 1.308 | 0.000 | 9.882 |
| 193: Medical Communications For Combat Casualty | - | 0.375 | 2.884 | 0.056 | - | 0.056 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 3.323 |
| 738: AcqBiz | - | 2.973 | 24.002 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 26.975 |
| FE9: ALTESS (P&R Forms) | - | 0.105 | 0.112 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.217 |
| FL9: Army Accessioning IT Development | - | 0.000 | 0.000 | 43.432 | - | 43.432 | 43.647 | 26.262 | 8.307 | 6.952 | 0.000 | 128.600 |
| FM7: Human Resouces Information Technology | - | 0.000 | 0.000 | 9.932 | - | 9.932 | 13.896 | 13.677 | 13.718 | 7.784 | 0.000 | 59.007 |
| FM8: Information Technology for Training Systems | - | 0.000 | 0.000 | 40.720 | - | 40.720 | 35.290 | 34.270 | 24.958 | 4.611 | 0.000 | 139.849 |
| FM9: Information Technology for Criminal Investigations | - | 0.000 | 0.000 | 1.245 | - | 1.245 | 1.237 | 1.242 | 1.245 | 1.247 | 0.000 | 6.216 |
| T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION | - | 7.045 | 17.802 | 16.624 | - | 16.624 | 10.982 | 11.383 | 2.235 | 0.000 | 0.000 | 66.071 |
| T05: Army Business System Modernization Initiatives | - | 34.355 | 27.790 | 5.974 | - | 5.974 | 38.516 | 41.723 | 3.677 | 3.415 | 0.000 | 155.450 |
| VR3: ASMIS-R (REPORTIT) | - | 3.455 | 1.966 | 3.095 | - | 3.095 | 3.159 | 3.222 | 3.268 | 3.301 | 0.000 | 21.466 |
| XV6: Army Leader Dashboard | - | 0.000 | 0.000 | 1.479 | - | 1.479 | 1.508 | 1.539 | 1.538 | 1.601 | 0.000 | 7.665 |
| Note The following project realignments have been completed to increase transparency within this Program Element: - Army Safety Management Information System - Revised (ASMIS-R) funding was realigned from project T05 to project VR3 in FY 2018 - ALTESS (P&R Forms) funding was realigned from project 738 to project FE9 in FY 2018 | | | | | | | | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD) | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | |
| <div>- Army Accessions Information Environment (AIE) and Human Resource Command (HRC) IT development was realigned from project T05 to project FL9 in FY 2020</div> <div>- Army Human Resources IT development efforts were realigned from project T05 to project FM7 in FY 2020</div> <div>- Army Training IT development efforts were realigned from project T05 to project FM8 in FY 2020</div> <div>- Army Criminal Investigation IT development efforts were realigned from project T05 to project FM9 in FY 2020</div> | | | | | | |
| A. Mission Description and Budget Item Justification | | | | | | |
| This program supports efforts to plan, design, develop, and test information technology solutions to fulfill the Army's Warfighter Support Mission and accommodate changing Army requirements while fulfilling future Army needs. Provides for development and acquisition of Combat Service Support (CSS) and business information technology solutions to help arm, sustain, fix, move, train and man the force. Completed development/acquisition efforts will also enhance sustaining base functions and power projection capabilities and facilitate global messaging and electronic data interchange (EDI). Ongoing development efforts support multiple functional areas including logistics, personnel, transportation, training, medical/health protection, and the sustaining base. | | | | | | |
| B. Program Change Summary (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Previous President's Budget | | 81.776 | 113.758 | 100.831 | - | 100.831 |
| Current President's Budget | | 62.613 | 77.686 | 126.537 | - | 126.537 |
| Total Adjustments | | -19.163 | -36.072 | 25.706 | - | 25.706 |
| • Congressional General Reductions | | -0.058 | -0.072 | | | |
| • Congressional Directed Reductions | | -10.493 | -36.000 | | | |
| • Congressional Rescissions | | - | - | | | |
| • Congressional Adds | | - | - | | | |
| • Congressional Directed Transfers | | - | - | | | |
| • Reprogrammings | | -5.843 | - | | | |
| • SBIR/STTR Transfer | | -2.769 | - | | | |
| • Adjustments to Budget Years | | - | - | 25.706 | - | 25.706 |
| Change Summary Explanation | | | | | | |
| FY 2020 increase of \$25.362 million is attributable to increased development for the Army Training Information System (ATIS), as well as smaller increases among the other projects, to include inflation. | | | | | | |

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|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 099 / Army Human Resource System | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| 099: Army Human Resource System | - | 12.845 | 1.503 | 2.477 | - | 2.477 | 0.839 | 0.316 | 0.210 | 0.210 | 0.000 | 18.400 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Line of Effort 2: Common Operating Environment

This LOE provides solutions for current issues with stove-piped mission command systems that function well individually, but do not integrate easily with each other nor does it provide an accurate common operating picture. FY 2019 Base funding in the amount \$3.367 million in support of Army Human Resource Systems (AHRS) continues to provide the Warfighter with state of art standardized systems that assist the Combatant Commander sustain, train, equip, deploy and account for personnel in and out of Theater. Systems include GoArmyEd, Commander's Risk Reduction Dashboard, Deployed Theater Accountability System, Range Facility Maintenance Support System, and the electronic Military Personnel System.

A. Mission Description and Budget Item Justification

Line of Effort 2: Common Operating Environment

This project funds the Personnel Transformation - Enterprise Service Bus and GoArmyEd. Personnel Transformation (PT) - Enterprise Service Bus (ESB) - The Army's Enterprise Service Bus (ESB) provides a data integration service in which data can be extracted from the legacy human resource systems and transferred to DIMHRS. The ESB will be a middleware application which will provide a single interface to and from the Defense Integrated Military Human Resources System (DIMHRS) from the Army Legacy Systems. The ESB will provide the infrastructure for the integration of new and existing applications by allowing systems and applications to easily exchange information across different environments and platforms. It will also form the information bridge between the Integrated Personnel and Pay System - Army (IPPS-A) , the Army Legacy Systems, and external systems to create more streamlined systems in support of the military mission and personnel transformation goals.

GoArmyEd is an Army Continuing Education System (ACES) program that provides the virtual gateway for soldiers to request Tuition Assistance (TA) and Department of the Army (DA) civilians to request training funds online, anytime for classroom, distance learning, and online college courses. GoArmyEd is a dynamic online portal that automates many of the paper-based processes historically conducted in-person at Army Education Centers. GoArmyEd includes automated registration tools that enforce TA policies and procedures. It is used by authorized customers to pursue their post secondary educational goals; Army Education Counselors to provide educational guidance; CPMS and TMs to manage civilian training and Colleges to deliver degree and course offerings and to report user progress.

Modernization initiatives address continued improvements related to the integration of new users and decreasing reliance on the help desk. GoArmyEd is the Army's enterprise education solution. GoArmyEd has integrated the Reserve Component (USAR and National Guard) and the Department of the Army Civilians. In addition, GoArmyEd is working to add a new data warehouse for HQ data retrieval and user self help tools. Education benefits are paramount to recruiting and retention of quality Soldiers, Civilians and Families.

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) 099 / Army Human Resource System | | | |
| <p>Commanders Risk Reduction Dashboard (CRRD) began with the identification of capability gaps arising out of the 2010 Red Book and 2012 Gold Book, two extensive studies directed by senior army leadership to examine suicide prevention (Red Book) and the Army's health and discipline (Gold Book). The studies illustrated that Commanders faced capability gaps in their ability to identify high risk behavior and risk factors, analyze soldier and unit risk, and identify risk trends and develop intervention strategies. CRRD provides Commanders at echelons Company through Major Army Command the ability to visualize and take preventive action to mitigate risk factors impacting their soldiers and formations by going to one dashboard and seeing data from multiple data sources.</p> <p>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.</p> | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: Commanders Risk Reduction Dashboard (CRRD) | | 3.154 | 0.100 | 1.567 | - | 1.567 |
| Description: CRRD is a capability that enable Commanders in the U.S. Army to identify, act upon, monitor, track, and manage soldier-level and unit-level risk. CRRD will consolidate information from multiple Army databases and present to commanders a concise dashboard visualizing which Soldiers and units within their command are impacted by a variety of risk factors. | | | | | | |
| FY 2019 Plans: The CRRD tool will provide a single dashboard of information that identified potential attributes that increase the risk of suicide. The dashboard will provide Commanders in all Army components with the capability to obtain information regarding the soldier?s previous disciplinary actions, both civilian and UCMJ as well as the information regarding the health of the Soldier. This information will enable the Commander to gain additional inputs on the Soldier?s background, allowing the Commander to adjust their leadership and counseling approach to improve the Soldier?s wellbeing therefore increasing their ability to perform their duties. | | | | | | |
| FY 2020 Base Plans: | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) 099 / Army Human Resource System | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| In FY 2020 the CRRD tool will develop additional interfaces as required by Commanders as they become more familiar with the system's capability, and refinement of existing capability based upon Commander feedback. The funding also enables interface and capability development for Executive Officers, First Sergeants, and Command Sergeants Major as authorization to use the CRRD capability grows to include those user groups (currently under policy review). Funding will also enable refinement of predictive analytics and the ability to generate and print additional reports based on Commander feedback. FY 2019 to FY 2020 Increase/Decrease Statement: The FY 2020 increase is required to enable enhancement of existing capability as Commander?s become more familiar with the CRRD and to enable interfaces with additional data sources requested by Commanders. Additionally, the FY 2020 CRRD funding enables development of capability for Executive Officers, First Sergeants, and Command Sergeants Major as CRRD becomes available for those users (Currently under policy review). | | | | | | | |
| Title: GoArmyEd Modernization Description: GoArmyEd Modernization - GoArmyEd is an Army Continuing Education System (ACES) program that provides the virtual gateway for soldiers to request Tuition Assistance (TA) and Department of the Army (DA) civilians to request training funds online, anytime for classroom, distance learning, and online college courses. GoArmyEd is a dynamic online portal that automates many of the paper-based processes historically conducted in-person at Army Education Centers. GoArmyEd includes automated registration tools that enforce TA policies and procedures. Funding will support continued modernization/automation of GoArmyEd functionality and provide Data Center at HRC. FY 2019 Plans: Performance Work Statement development, acquisition strategy and market research were all conducted in FY 2016/17 in anticipation of FY 2018/19 development of Modern GoArmyEd system. Sole source contract was also initiated to allow existing GoArmyEd system to continue to operate from IBM Federal Data center until Modern GoArmyEd system is operational. FY 2020 Base Plans: Finalize all contingency operations. Modern GoArmyEd goes live, current GoArmyEd deactivated. FY 2019 to FY 2020 Increase/Decrease Statement: | | | 9.691 | 0.772 | 0.250 | - | 0.250 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) 099 / Army Human Resource System | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Project is near scheduled completion. | | | | | | | |
| <p>Title: Regional Level Application Software (RLAS)</p> <p>Description: 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&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&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> <p>FY 2019 Plans: Conducted system analysis to determine best Course of Action (COA) for the remediation of Active X and removal of Active X from all RLAS servers, components and client side installs. A COA was selected and work has begun on Active X remediation.</p> <p>FY 2020 Base Plans: Leverage virtual platform environment -move RLAS into the Army.mil highest level Active Directory Domain allowing RLAS to be accessed by users worldwide - removing RLAS from the USAR ARNET AD Enclave (remove domain). Leverage .Net architecture to improve RLAS system performance and user experience for faster load times.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: Continued development of the system data interface for IPPS-A Soldier Admin Data.</p> | | | - | 0.552 | 0.660 | - | 0.660 |
| <p>Title: FY 2019 SBIR / STTR Transfer</p> <p>Description: FY 2019 SBIR / STTR Transfer</p> <p>FY 2019 Plans:</p> | | | - | 0.079 | - | - | - |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) 099 / <i>Army Human Resource System</i> | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO |
| FY 2019 SBIR / STTR Transfer | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer | | | | | |
| Accomplishments/Planned Programs Subtotals | | 12.845 | 1.503 | 2.477 | - |
| C. Other Program Funding Summary (\$ in Millions) N/A | | | | | |
| Remarks | | | | | |
| D. Acquisition Strategy <p>GoArmyEd - The program manager makes extensive use of Integrated Product Teams (IPTs). Sub-elements of the 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. GoArmyEd contractual efforts are acquired on a firm fixed price basis on existing contractual vehicles.</p> <p>CRRD - The use of Agile development within 3 Acquisition Increments to allow for a shift to rapid continuous updates across the areas of Data, Features, Users, and Technology. CRRD uses an agile development framework incorporating User Experience Exercises (UXE) to expedite capability to the field while maintaining Acquisition control through Limited Deployment Authorities to Proceed and a competitively awarded sustainment contract. CRRD plans for eventual incorporation into IPPS-A.</p> <p>RLAS - Will utilize GSA contract support to solicit FY 2020/2021 two-year software support & development contract - hybrid Firm Fixed Price & Time and Materials. RLAS will utilize GSA contract support to solicit FY 2021/2022/2023 three-year software support & development contract - hybrid Firm Fixed Price & 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> | | | | | |
| E. Performance Metrics N/A | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
|---|------------------------|---|-------------|---------|------------|---|------------|--------------|------------|---|------------|------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 099 / Army Human Resource System | | | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Product Development | C/FFP | Acquisition Contract Center : Rock Island, IL | 1.519 | - | | - | | - | | - | | - | 0.000 | 1.519 | - |
| GoArmyEd Modernization | TBD | IBM : Various | - | 0.591 | | - | | - | | - | | - | 0.000 | 0.591 | - |
| Subtotal | | | 1.519 | 0.591 | | - | | - | | - | | - | 0.000 | 2.110 | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| AHRS - ECPs/SCPs/ICPs/RLAS | C/FFP | Hewlitt Packard : various | 89.251 | - | | 0.552 | | 0.660 | | - | | 0.660 | 0.000 | 90.463 | - |
| AHRS - Software Development | C/FFP | Hewlitt Packard : various | 51.723 | - | | - | | - | | - | | - | 0.000 | 51.723 | - |
| GoArmyEd Modernization | C/FFP | IBM : Various | 7.752 | 9.100 | | 0.772 | | 0.250 | | - | | 0.250 | 0.000 | 17.874 | - |
| CRRD | C/FFP | PEO EIS : FT Belvoir VA | 5.306 | 3.154 | | 0.100 | | 1.567 | | - | | 1.567 | 0.000 | 10.127 | - |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 0.079 | | - | | - | | - | 0.000 | 0.079 | - |
| Subtotal | | | 154.032 | 12.254 | | 1.503 | | 2.477 | | - | | 2.477 | 0.000 | 170.266 | N/A |
| Remarks | | | | | | | | | | | | | | | |
| CRRD is developed Government to Government by the Army Analytics and Visualization Lab at Redstone Arsenal via competitively awarded development contracts. | | | | | | | | | | | | | | | |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 155.551 | 12.845 | | 1.503 | | 2.477 | | - | | 2.477 | 0.000 | 172.376 | N/A |
| Remarks | | | | | | | | | | | | | | | |
| GoArmyEd (GAE) has no additional changes from FY19-20 | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | | | | | | | | | | | | | | Date: March 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | | | | | Project (Number/Name) 099 / Army Human Resource System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | | | | | | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | |
| GoArmyEd Support/Enhancements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GoArmyEd Modernization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Commanders Risk Reduction Dashboard (CRRD) Enhancements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Commanders Risk Reduction Dashboard (CRRD) Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Develop CRRD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support/Enhancements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) 099 / <i>Army Human Resource System</i> | |

Schedule Details

| Events | Start | | End | |
|---|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| Migration of AHRS eMILPO functionality into IPPS-A | 3 | 2006 | 4 | 2012 |
| eMILPO Support/Enhancements | 4 | 2003 | 4 | 2012 |
| DTAS Support/Enhancements | 4 | 2004 | 4 | 2012 |
| IPPS-A | 3 | 2008 | 4 | 2012 |
| Tactical Personnel System (TPS) Support/Enhancements | 1 | 2006 | 4 | 2012 |
| GoArmyEd Support/Enhancements | 3 | 2018 | 4 | 2018 |
| Commanders Risk Reduction Dashboard (CRRD) Enhancements | 2 | 2020 | 4 | 2025 |
| Commanders Risk Reduction Dashboard (CRRD) Development | 3 | 2015 | 4 | 2019 |

Note

GoArmyEd (GAE) has no additional changes from FY19-20

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
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| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 184 / Installation Support Modules | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| 184: Installation Support Modules | - | 1.460 | 1.627 | 1.503 | - | 1.503 | 1.411 | 1.278 | 1.295 | 1.308 | 0.000 | 9.882 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

Installation Support Modules (ISM) consists of four standardized, web based, custom-developed enterprise wide applications that integrate essential installation business practices and processes throughout the Army, to meet Army Force Generation (ARFORGEN) Brigade Combat Team readiness and deployment requirements. Three modules support human resources business functions (In/Out-Processing, Transition Processing, and Personnel Locator); the fourth module, Central Issue Facility (CIF) supports management of over \$9 billion combatant Organizational Clothing and Individual Equipment inventory. The web server architecture is fully internet protocol capable and allows soldiers ready access to their records and commanders and logisticians access to information affecting readiness of combat organizations.

Coalition Warfighter Interoperability Demonstration (CWID) is a mandated Joint program that requires participation by the US Army to explore near-term technologies that support Joint and Coalition Warfare Interoperability. Funding is to facilitate Coalition Force interoperability research and development and to comply with CJCSI 6230.2 date 30 April 05.

Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicide attempts are collected and stored in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.

ISM Core funding is essential for supporting demands to research and develop improved systems to provide for soldier safety and inventory reduction without risking readiness. Funding supports research and development to comply with Department of Defense Instruction 8320.4 Serialized Item Management. Applications to use commercial off the shelf wireless bar code equipment to ensure inventory accuracy throughout 154 warehouses in worldwide locations potentially reduces operating costs by \$500.0 million.

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

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Army Behavioral Health Integrated Data Environment | 1.460 | 1.547 | 1.503 | - | 1.503 |
| Description: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) 184 / Installation Support Modules | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>FY 2019 Plans: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicides attempts are collected and stored in a in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.</p> <p>FY 2020 Base Plans: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicides attempts are collected and stored in a in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: Program near the end of development.</p> | | | | | | | |
| <p>Title: FY 2019 SBIR / STTR Transfer</p> <p>Description: FY 2019 SBIR / STTR Transfer</p> <p>FY 2019 Plans: FY 2019 SBIR / STTR Transfer</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer</p> | | | - | 0.080 | - | - | - |
| Accomplishments/Planned Programs Subtotals | | | 1.460 | 1.627 | 1.503 | - | 1.503 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | |
| Appropriation/Budget Activity 2040 / 5 | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 184 / Installation Support Modules | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| • BE4162: MACOM AUTOMATION SYSTEMS | 48.219 | 132.328 | 57.861 | 23.000 | 80.861 | 33.994 | 66.187 | 54.690 | 62.138 | 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. | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| N/A | | | | | | | | | | | |

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|---|------------------------|--------------------------------|-------------|---------|------------|---|------------|--------------|------------|---|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 184 / Installation Support Modules | | | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 | 6.786 | 1.460 | | 1.547 | | 1.503 | | - | | 1.503 | Continuing | Continuing | - |
| Post-Deployment Software Support (PDSS) | C/FFP | various : various | 6.061 | - | | - | | - | | - | | - | 0.000 | 6.061 | - |
| Coalition Warfighter Interoperability Demonstration (CWID) | C/TBD | various : various | 0.091 | - | | - | | - | | - | | - | 0.000 | 0.091 | - |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 0.080 | | - | | - | | - | 0.000 | 0.080 | - |
| Subtotal | | | 12.938 | 1.460 | | 1.627 | | 1.503 | | - | | 1.503 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |
| Post Deployment Software Support (PDSS) continues through FY 2025 as the Central issue Facility module evolves with changes in OCIE requirements. | | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 | 2.111 | - | | - | | - | | - | | - | 0.000 | 2.111 | - |
| Subtotal | | | 2.111 | - | | - | | - | | - | | - | 0.000 | 2.111 | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 15.049 | 1.460 | | 1.627 | | 1.503 | | - | | 1.503 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army

Date: March 2019

Appropriation/Budget Activity

2040 / 5

R-1 Program Element (Number/Name)

PE 0605013A / Information Technology
Development

Project (Number/Name)

184 / Installation Support Modules

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) 184 / Installation Support Modules |

Schedule Details

| Events | Start | | End | |
|--------------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| ISM Post Deployment Software Support | 4 | 2003 | 4 | 2025 |

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|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|------------------|------------------|------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 193 / Medical Communications For Combat Casualty | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| 193: Medical Communications For Combat Casualty | - | 0.375 | 2.884 | 0.056 | - | 0.056 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 3.323 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The Medical Communications for Combat Casualty Care (MC4) System interfaces Force Health Protection and medical surveillance information with Army Mission Command information technology systems. The MC4 System 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 MC4 System supports other Soldier protection initiatives by providing data for analyses which can be used for identification and development of critical soldier support systems such as body armor, improved helmets, traumatic brain injury protection and trauma reduction. Current MC4 Program efforts are focused on system engineering, testing, integration, and fielding automation infrastructure for Army users of the Theater Medical Information Program-Joint (TMIP-J) suite of software. Effort has also been initiated to integrate MC4 with the Army Chief Information Office (CIO) Network 2020 and Common Operating Environment (COE) and as a program of record in the Mobile/ Handheld Computing Environment Working Group. Funding provides engineering, developmental testing, and integration of information management/information technology to support Force Health Protection in accordance with the Army Equipment Modernization Plan.

FY 2020 Base funding in the amount of \$0.056 million will be used for the engineering effort required to evaluate initiatives that improve the performance of the Defense Healthcare Management Systems (DHMS) Electronic Health Record software on the Army platform, as well as the engineering effort for other Army unique capabilities. Activities include:

--Monitor research and development activities with Research partners (United States Army Medical Research and Materiel Command, and United States Army Communications-Electronics Research, Development and Engineering Center) to identify emerging technologies for potential insertion into the electronic health record system.

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

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Engineering and Technical Support | 0.370 | 1.512 | 0.056 | - | 0.056 |
| Description: Engineering and Technical Support for Preplanned Program Improvements and System Upgrades, Systems Integration, Software Support and other new initiatives to improve system performance and effectiveness. Effort includes rapid integration of new IT technologies as they become available at Technology Readiness Levels (TRL) 6 or beyond, and engineering effort to modify system parameters due to cybersecurity or other pressing need. | | | | | |
| FY 2019 Plans: | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) 193 / Medical Communications For Combat Casualty | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Evaluation and development of hardware solutions to replace obsolete handheld device, integration with Nett Warrior hardware/software in the Common Operating Environment, engineering and technical support for spiral development of Tele-Health capability and integration into electronic health record. Continued development of virtualization and cloud computing environment of electronic health record system to reduce cost and improve system effectiveness. FY 2020 Base Plans: Monitor emerging technologies for potential incremental integration into system baseline. FY 2019 to FY 2020 Increase/Decrease Statement: Decrease of funding from FY 2019 to FY 2020 resulted from other Government agencies assuming responsibility for research and development activities in support of program objectives. | | | | | | |
| Title: PMO Testing Support Description: Test augmentation by outside agencies to include test efforts for DHMS/TMIP-J and other Army unique software capabilities. FY 2019 Plans: Test augmentation by outside agencies to support pilot testing of new point of injury hardware device prior to procurement and deployment. FY 2019 to FY 2020 Increase/Decrease Statement: Testing expected to be completed in FY 2019 for objective system, no outside testing support anticipated for FY 2020. | | - | 0.200 | - | - | - |
| Title: MC4 Electronic Health Record Integration and Testing Description: Development testing of DHMS Electronic Health Record software; Lab site studies with technology and scenarios; Integration testing of software systems on the MC4 baseline system; test and evaluation of new capabilities for combat theater functionality. FY 2019 Plans: Continue pilot test and test documentation of capability provided by new point of injury hardware device to replace obsolete equipment and meet system requirement. Pilot test to be completed prior to procurement and deployment decisions. FY 2019 to FY 2020 Increase/Decrease Statement: | | 0.005 | 1.031 | - | - | - |

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|---|----------------|----------------|---------------------|---|----------------------|----------------|---|----------------|---------------------|-------------------------|----------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | Project (Number/Name) 193 / <i>Medical Communications For Combat Casualty</i> | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Testing expected to be completed in FY 2019, no additional testing anticipated in FY 2020. | | | | | | | | | | | |
| Title: FY 2019 SBIR / STTR Transfer | | | | | | | - | 0.141 | - | - | - |
| Description: FY 2019 SBIR / STTR Transfer | | | | | | | | | | | |
| FY 2019 Plans: FY 2019 SBIR / STTR Transfer | | | | | | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | | | | | 0.375 | 2.884 | 0.056 | - | 0.056 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| <u>Line Item</u> | <u>FY 2018</u> | <u>FY 2019</u> | <u>FY 2020 Base</u> | <u>FY 2020 OCO</u> | <u>FY 2020 Total</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>FY 2023</u> | <u>FY 2024</u> | <u>Cost To Complete</u> | <u>Total Cost</u> |
| • MA8000: <i>Family of Med Comm for Combat Casualty Care</i> | 15.964 | 22.226 | 16.590 | 1.231 | 17.821 | 19.563 | 11.831 | 7.480 | 5.251 | 0.000 | 100.136 |
| Remarks | | | | | | | | | | | |
| D. Acquisition Strategy | | | | | | | | | | | |
| <p>The MC4 Program supports a number of Army Medical Information Technology/Communications initiatives. The near and mid-term focus of the MC4 program is to engineer, design, integrate, test, acquire and field the Army automation infrastructure capabilities supporting fielding of the Defense Healthcare Management Systems Electronic Health Record integrated software application suite, future modernized capability, and other Army requirements. The MC4 hardware is procured as Commercial-off-the-Shelf (COTS) components. Since Electronic Health Record software is a major component of the MC4 System and being developed in increments by the Joint Program, the MC4 Program will deliver capabilities in increments, recognizing the need for future system updates and planned upgrades. The MC4 Program works with the user community to continually define and refine additional requirements and match them with available technologies to provide the user enhanced capabilities. These enhanced capabilities will be provided to the user at the earliest possible date. This approach yields the most operationally useful and supportable capability in the shortest time possible with Cost As an Independent Variable. Moreover, this approach provides an initial capability with the explicit intent of delivering improved and updated capability in subsequent updates and planned upgrades. This evolutionary development approach will be accomplished through a rapid prototyping process that will progress the system from its current functional capabilities to fully integrated objective capabilities, and forward into the future with a fully modernized system. Appropriate commercial technology enhancements (e.g. advances in operating systems, voice activated technology, cloud computing capability environment, etc.) will be incorporated into MC4 products and systems as they become available. Each MC4 System component will undergo a full range</p> | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) 193 / <i>Medical Communications For Combat Casualty</i> |
| of developmental testing to include software unit testing, integration testing, interoperability testing and software qualification testing. The MC4 system updates and planned upgrades will continue to undergo follow-on testing. | | |
| <u>E. Performance Metrics</u> N/A | | |

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|---|------------------------|--------------------------------|-------------|---------|------------|---|------------|--------------|------------|---|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 193 / Medical Communications For Combat Casualty | | | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Prog Mgmt Operations | Various | PMO : various | 8.405 | - | | - | | - | | - | | - | 0.000 | 8.405 | - |
| Subtotal | | | 8.405 | - | | - | | - | | - | | - | 0.000 | 8.405 | N/A |
| Remarks | | | | | | | | | | | | | | | |
| Funding (Prior Years) in Program Management Operations includes direct pay of PMO government employees, TDY, training, supplies, etc. in direct support of RDTE effort. At Milestone C, Program Management Operations efforts were moved to another appropriation. | | | | | | | | | | | | | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 0.141 | | - | | - | | - | 0.000 | 0.141 | - |
| Subtotal | | | - | - | | 0.141 | | - | | - | | - | 0.000 | 0.141 | N/A |
| Remarks | | | | | | | | | | | | | | | |
| MC4 is a COTS (Commercial-Off-the-Shelf) hardware, GFE (Government Furnished Equipment) software system. MC4 provides the integration of the hardware and software and also fields to and supports the system to Army units. No product development is performed. Hardware is bought commercially off the shelf through commercial contracts and software is developed and provided by the Defense Health Medical Systems Joint Operational Medical Information Systems (DHMS/JOMIS). | | | | | | | | | | | | | | | |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Engineering & Tech Spt/ Information Assurance (old contract) | Various | L-3 (was Titan) : various | 9.390 | - | | - | | - | | - | | - | 0.000 | 9.390 | - |
| Engineering & Tech Spt (new contract) | Various | CACI (formerly L-3) : Various | 6.218 | 0.370 | Jan 2018 | 2.543 | Jan 2019 | 0.056 | Jan 2020 | - | | 0.056 | 0.000 | 9.187 | - |
| Information Assurance | Various | ISEC Support : AZ | 1.783 | - | | - | | - | | - | | - | 0.000 | 1.783 | - |
| Subtotal | | | 17.391 | 0.370 | | 2.543 | | 0.056 | | - | | 0.056 | 0.000 | 20.360 | N/A |

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|---|-----------------------------------|--|--------------------|----------------|-------------------|---|-------------------|---------------------|-------------------|--------------------|-------------------|---|-------------------------|-------------------|---------------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | | Project (Number/Name) 193 / <i>Medical Communications For Combat Casualty</i> | | | |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Remarks Information Assurance (IA) activities moved from ISEC to L3 in FY12, IA activities moved to another appropriation FY13; FY15 new competitive contract award, base year with 4 option years (option year awards in January). Final objective Theater Medical Information Program-Joint (TMIP-J) software is expected to be complete and ready for fielding 2QFY18. Modernization of TMIP-J software by Joint program (Joint Operational Medical Information System [JI1]) is currently in process, requiring continued engineering and technical support to ensure an operational system for Army use. | | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| PMO Testing Spt | MIPR | ATEC/AMEDD Board/JITC : various | 6.756 | 0.005 | | 0.200 | | - | | - | | - | 0.000 | 6.961 | - |
| MC4/TMIP System Engineering | C/T&M | L-3 Communications : Frederick MD | 7.889 | - | | - | | - | | - | | - | 0.000 | 7.889 | - |
| MC4/TMIP System Engineering | Various | John Hopkins University (JHU) Applied Physics Lab : MD | 32.124 | - | | - | | - | | - | | - | 0.000 | 32.124 | - |
| MC4/TMIP System Engineering (new contract) | C/T&M | CACI (was L-3 Communications) : Frederick MD | 3.639 | - | | - | | - | | - | | - | 0.000 | 3.639 | - |
| Subtotal | | | 50.408 | 0.005 | | 0.200 | | - | | - | | - | 0.000 | 50.613 | N/A |
| Remarks PMO Testing Support is provided by other Government agencies (AMEDD Board, ATEC and others). | | | | | | | | | | | | | | | |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 76.204 | 0.375 | | 2.884 | | 0.056 | | - | | 0.056 | 0.000 | 79.519 | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) 193 / Medical Communications For Combat Casualty | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|-----------------------------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| MC4/TMIP-J I2R3 Fielding Decision | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Updates #1 for TMIP-J I2R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Updates #2 for TMIP-J I2R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Updates #3 for TMIP-J I2R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Updates #4 for TMIP-J I2R3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) 193 / <i>Medical Communications For Combat Casualty</i> | |

Schedule Details

| Events | Start | | End | |
|-----------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| MC4/TMIP-J I2R3 Fielding Decision | 2 | 2018 | 2 | 2018 |
| System Updates #1 for TMIP-J I2R3 | 3 | 2018 | 3 | 2018 |
| System Updates #2 for TMIP-J I2R3 | 4 | 2018 | 1 | 2019 |
| System Updates #3 for TMIP-J I2R3 | 3 | 2019 | 3 | 2019 |
| System Updates #4 for TMIP-J I2R3 | 4 | 2019 | 1 | 2020 |

Note

System Updates correspond to projected software change packages, to include security enhancements, throughout this time period. Updates require integration and testing prior to acceptance and release. Engineering and Technical support continues throughout this time period and is focused on hardware architecture development and cybersecurity and technology insertions for the modernized electronic health record system. .

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---------------------------------------|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 738 / AcqBiz | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| 738: AcqBiz | - | 2.973 | 24.002 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 26.975 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Beginning in FY 2020 funding for the Accessions Information Environment (AIE) in support of the Army Accessions IT Development was transferred to 0605013A, Project FL9 (Army Accessioning IT Development).
Beginning in FY 2019 funding for ACQBIZ/Integrated Program Management Environment (IPME) was transferred to 0605803A.

A. Mission Description and Budget Item Justification

PL AcqBusiness provides acquisition-centric enterprise solutions. Delivers innovative and adaptive solutions that streamline the collection and analysis of data to support powerful decisions across the Army acquisition enterprise. PL AcqBusiness will be the premier source of information technology solutions that enable information dominance at all levels of the Army acquisition enterprise. PL AcqBusiness provides Army Acquisition practitioners with a consistent set of unique business tools, web services, and decision support tools integrated through a common architecture, which provide visibility of authoritative data, consistency in business process, and more timely support to acquisition decisions. The enterprise tools provided via PM AcqBusiness enable the reduction and eventual elimination of stovepipe and redundant tools that exist in the domain today. PL AcqBusiness provides an environment that enables centralized, role-based access to trusted and authoritative data from disparate Acquisition Domain data sources. In addition, PL AcqBusiness provides a framework for information providers to publish their data and provide their services to authorized users.

This program supports the development requirements for the Army Human Resources Command (USAHRC) which provides the IT solution necessary to accomplish the Army's Accessioning mission.

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

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|--|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Program Management | 2.619 | 11.330 | - | - | - |
| Description: This effort provides program management in support of the Human Resource Command Accessioning IT mission. | | | | | |
| FY 2019 Plans: Army HRC will continue efforts for ARISS, CCIMM and JCIMS for Financial Audit Readiness Requirement and technical requirements gathering, analysis and documentation to allow Readiness Requirement and technical requirements gathering, analysis and documentation. Development requirements for the Army Human Resources Command which provides the IT solution necessary to accomplish the Army's Accessioning mission and support development of the Accessioning Information Environment (AIE) /Recruitment Information | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) 738 / AcqBiz | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Environment (RIE) development. The Program Executive Office -Enterprise Information Systems was designated as the Office of Primary Responsibility for AIE effective 11 Oct 17 and funds were transferred starting in FY 2020. FY 2019 to FY 2020 Increase/Decrease Statement: The Program Executive Office - Enterprise Information Systems (PEO EIS) was designated as the Office of Primary Responsibility (OPR) for Accessioning Information Environment (AIE) development effective 11 Oct 17 and funds were transferred from Project Code 738 to FL9 starting in FY 2020. | | | | | | |
| Title: Design, Development, and Test Description: This effort provides program management in support of the Human Resource Command Accessioning IT mission. FY 2019 Plans: Army HRC will continue efforts for ARISS, CCIMM and JCIMS for Financial Audit Readiness Requirement and technical requirements gathering, analysis and documentation to allow Readiness Requirement and technical requirements gathering, analysis and documentation. Development requirements for the Army Human Resources Command which provides the IT solution necessary to accomplish the Army's Accessioning mission and support development of the Accessioning Information Environment (AIE) /Recruitment Information Environment (RIE) development. The Program Executive Office -Enterprise Information Systems was designated as the Office of Primary Responsibility for AIE effective 11 Oct 17 and funds were transferred starting in FY 2020. FY 2019 to FY 2020 Increase/Decrease Statement: See Project FL9 as resources were transferred in FY 2020 from Project 738. | | 0.354 | 11.247 | - | - | - |
| Title: FY 2019 SBIR / STTR Transfer Description: FY 2019 SBIR / STTR Transfer FY 2019 Plans: FY 2019 SBIR / STTR Transfer FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer | | - | 1.425 | - | - | - |
| Accomplishments/Planned Programs Subtotals | | 2.973 | 24.002 | - | - | - |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) 738 / <i>AcqBiz</i> |
| C. Other Program Funding Summary (\$ in Millions) N/A | | |
| Remarks | | |
| D. Acquisition Strategy The ACQBIZ system will sunset and Integrated Program Management Environment (IPME) will be sustained in a commercial cloud environment in FY 2019. (PE 0605013A project: 738 TO PE 0605803A) | | |
| E. Performance Metrics N/A | | |

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|--|------------------------|--------------------------------|-------------|---------|------------|---|------------|--------------|------------|---------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) 738 / AcqBiz | | | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Program Management Support | Option/ FFP | ACC : Rock Island, IL | 20.174 | - | | 22.577 | | - | | - | | - | 0.000 | 42.751 | - |
| Subtotal | | | 20.174 | - | | 22.577 | | - | | - | | - | 0.000 | 42.751 | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Analysis and Design, Development, Integration | TBD | TBD : TBD | 85.474 | - | | - | | - | | - | | - | Continuing | Continuing | Continuing |
| ARISS | C/CPFF | SAIC : RESTON, VA | - | 2.973 | Feb 2018 | - | | - | | - | | - | 0.000 | 2.973 | - |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 1.425 | | - | | - | | - | 0.000 | 1.425 | - |
| Subtotal | | | 85.474 | 2.973 | | 1.425 | | - | | - | | - | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 105.648 | 2.973 | | 24.002 | | - | | - | | - | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) 738 / <i>AcqBiz</i> | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| Technical Prototyping & Component Integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sustainment FY18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset ACQBIZ System FY19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Major or Minor Release FY19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HRC Accessioning IT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) 738 / <i>AcqBiz</i> | |

Schedule Details

| Events | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Technical Prototyping & Component Integration | 1 | 2006 | 4 | 2018 |
| Sustainment FY18 | 1 | 2006 | 4 | 2018 |
| Sunset ACQBIZ System FY19 | 4 | 2018 | 4 | 2018 |
| Major or Minor Release FY19 | 4 | 2019 | 4 | 2019 |
| HRC Accessioning IT | 2 | 2018 | 4 | 2019 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | Project (Number/Name) FE9 / <i>ALTESS (P&R Forms)</i> | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| FE9: <i>ALTESS (P&R Forms)</i> | - | 0.105 | 0.112 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.217 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |
| A. Mission Description and Budget Item Justification This project funds the P&R Forms application; which supports the creation and production of the Committee Staff Procurement Backup Book (P-Forms), as well as Research, Development, Test and Evaluation Descriptive Summaries (RDTE, or R-Forms). Using P&R Forms, budgetary forms and data can be quickly and efficiently submitted, coordinated, and approved. | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: Continued development of the Army's Budget System Description: The P&R Forms application supports the creation and production of the Committee Staff Procurement Backup Book (P-Forms), as well as Research, Development, Test and Evaluation Descriptive Summaries (RDTE, or R-Forms). Using P&R Forms, budgetary forms and data can be quickly and efficiently submitted, coordinated, and approved. FY 2019 Plans: System enhancements to improve reliability of form data and efficiency of form creation. FY 2019 to FY 2020 Increase/Decrease Statement: Transferring to sustainment in FY 2020. | | | | | | | | 0.105 | 0.112 | - | - | - |
| Accomplishments/Planned Programs Subtotals | | | | | | | | 0.105 | 0.112 | - | - | - |
| C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | | Project (Number/Name) FE9 / <i>ALTESS (P&R Forms)</i> | | | |

| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| P&R System | SS/ Various | ALTESS : Radford, Virginia | 0.112 | 0.105 | | 0.112 | | - | | - | | - | | 0.000 | 0.329 | - |
| Subtotal | | | 0.112 | 0.105 | | 0.112 | | - | | - | | - | | 0.000 | 0.329 | N/A |

| | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|-------------------------|-------------------|---------------------------------|
| Project Cost Totals | 0.112 | 0.105 | 0.112 | - | - | - | 0.000 | 0.329 | N/A |

Remarks

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FE9 / ALTESS (P&R Forms) | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| Application Support and assist users for FY19 BES | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P&R Forms v7.3 Release | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P&R Forms v7.4 Release | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P&R Forms v7.45Release | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FE9 / <i>ALTESS (P&R Forms)</i> | |

Schedule Details

| Events | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Application Support and assist users for FY18 Presidential Budget | 2 | 2017 | 3 | 2017 |
| Application Support and assist users for FY19 BES | 4 | 2017 | 1 | 2018 |
| P&R Forms v7.3 Release | 2 | 2018 | 2 | 2018 |
| P&R Forms v7.4 Release | 4 | 2018 | 4 | 2018 |
| P&R Forms v7.45Release | 4 | 2019 | 4 | 2019 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FL9 / Army Accessioning IT Development | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| FL9: Army Accessioning IT Development | - | 0.000 | 0.000 | 43.432 | - | 43.432 | 43.647 | 26.262 | 8.307 | 6.952 | 0.000 | 128.600 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

This is not a new start. Funding was realigned into Project FL9 for greater transparency.

Accessions Information Environment (AIE): Previous funding included in PE 0605013A Project 738.

HRC Accessioning IT: Previous funding included in PE 0605013A Project 738.

Army Suicide Prevention: Previous funding included in PE 0604715A Project 241.

FY19 PE 0605013A Project 738 was a shared line between AIE and HRC Accessioning IT programs and then realigned into Project FL9 for greater transparency for FY20.

A. Mission Description and Budget Item Justification

Accessions Information Environment (AIE): supports the Army's Accessions Enterprise (AIE). The AIE aligns authorities, responsibilities, and resources, for Total Army accessions. It provides the Army's strength through its four missions: (1) enlist Soldiers, (2) commission Officers, (3) fulfill In-Service requirements, and (4) support and sustain. The AIE will replace a majority of the current legacy Accessions IT systems. Successful implementation is of utmost priority for the enterprise. The Accessions Information Environment (AIE) is a COTS-based information technology (IT) software system planned to modernize the Army's Accessions Enterprise. It will be a fully integrated Army-wide enterprise level software system for the accessions workforce to acquire the best-qualified warfighting talent (officer/enlisted/internal recruiting requirements/civilians) to meet all Army manning requirements. The key functions for AIE will include the following core capabilities: lead generation & management, prospecting, interviewing, processing, intelligence, marketing, training & leader development, and pay & incentives. This effort will ultimately ensure the accessions workforce has the information needed to engender commitments, lead future Soldiers, and engage communities in direct contact with young Americans.

HRC Accessioning IT: In addition, this program supports the development requirements for the Army Human Resources Command (USAHRC) which provides the IT solution necessary to accomplish the Army's Accessioning mission. Supports the ongoing development efforts which provides for the IT solutions necessary to accomplish the Army's Accessioning mission.

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.

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FL9 / Army Accessioning IT Development | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>Title: Accessions Information Environment (AIE)</p> <p>Description: AIE will provide a fully integrated enterprise level COTS-based capability enabling transparency, efficiency and effectiveness of the accessions workforce to acquire best-qualified talent to meet all Army manning requirements. It will ultimately replace the current aging systems that have been in existence for over 30 years.</p> <p>The AIE acquisition program is utilizing the DoD 5000.75 Business Capability Acquisition Cycle (BCAC) currently in Phase 2, the Business Solution Analysis phase.</p> <p>FY 2020 Base Plans: AIE will continue prototyping efforts started in FY2019. In FY 2020, the AIE program will enter the Acquisition, Testing and Deployment phase within the DoD 5000.75 acquisition process. This phase will allow the prototype capability to be matured and initiate delivery of functional capabilities as planned within iterative Capability Waves. Specifically, the FY 2020 funding will support iterative Wave requirements analysis, design, capability configuration, interface development, system integration, cybersecurity authorization, testing, and training in order to validate the prototype solution.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: This is not a new start. Funding was moved into Project FL9 for greater transparency. Previous funding included in PE 0605013A Project 738. Funding allows for the program to continue prototyping a COTS based IT solution for the accessions workforce to support the Army's Accessions mission.</p> | | - | - | 37.453 | - | 37.453 |
| <p>Title: HRC Accessioning IT</p> <p>Description: Funding supports the development requirements for the Army Human Resources Command (USAHRC) which provides the IT solution necessary to accomplish the Army's Accessioning mission. Support USAHRC ongoing development efforts which provides for the IT solutions necessary to accomplish the Army's Accessioning mission.</p> <p>FY 2020 Base Plans: The FY 2020 funds support the Army's Accessioning Mission to include the Army Recruiting Information Support System (ARISS). Efforts are ongoing to support Financial Audit Readiness Requirement and technical requirements gathering, analysis and documentation to support TRADOC mission.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement:</p> | | - | - | 3.848 | - | 3.848 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FL9 / <i>Army Accessioning IT Development</i> | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | |
| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| See Project 738 as resources were transferred to FL9 in FY 2020. | | | | | |
| Title: Army Suicide Prevention Description: 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. Work in this PE is performed by the U.S. Army Resiliency Directorate in Arlington, VA. Not a new start, funds transferred from PE 0604715A in FY 2020 for greater transparency. FY 2020 Base Plans: This effort develops a pre-entry or entry assessment package, identifying risk of sub-clinical behavioral issues and identifying character strengths, to enhance the Soldier Lifecycle (e.g., selection, assignment, training, leader development). FY 2020 funding will support validation assessment of the instruments. FY 2019 to FY 2020 Increase/Decrease Statement: Not a new start, funds transferred from PE 0604715A in FY 2020 for greater transparency. | - | - | 2.131 | - | 2.131 |
| Accomplishments/Planned Programs Subtotals | - | - | 43.432 | - | 43.432 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | |
| N/A | | | | | |
| Remarks | | | | | |
| D. Acquisition Strategy | | | | | |
| Accessions Information Environment (AIE): AIE is following the streamlined Acquisition process for Defense Business Systems (DBS) in accordance with DoD 5000.75 and is targeted to be designated as a Business System Category (BSC) II program. | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FL9 / <i>Army Accessioning IT Development</i> |
| <p>AIE is pursuing a rapid prototyping approach to acquire innovative COTS technologies to support the Army's Accessions needed capabilities. A competitive prototype contract will be awarded to execute the prototype phase. The prototyping efforts will result in capability to be delivered in waves:</p> <p>Infrastructure & Application Pilot (Wave 1): Includes foundational operational capabilities such as commercial cloud & network capabilities, initial data migration from legacy systems, critical interfaces, defined data models, and initial lead generation & management process build out.</p> <p>Wave 1 Application Pilot: Includes key software capabilities to support the Army's Accessions mission. These processes will enable the transition from "civilian to soldier".</p> <p>Waves 2-5: Additional automated capability to support optimization of accessions business processes.</p> <p>At the completion of the Waves, AIE will deliver the lead generation & management, prospecting, interviewing, processing, intelligence, marketing, training & leader development, and pay & incentives capabilities to support the Army's Accessions mission. Capabilities will be delivered using an agile methodology.</p> <p><u>E. Performance Metrics</u></p> <p>N/A</p> | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FL9 / Army Accessioning IT Development | | | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| AIE - Management Services | C/CPFF | Various : Various | - | - | | - | | 3.100 | Dec 2019 | - | | 3.100 | 0.000 | 3.100 | 23.200 |
| Subtotal | | | - | - | | - | | 3.100 | | - | | 3.100 | 0.000 | 3.100 | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| AIE: COTS Based Solution Configuration and Developmentand Development | C/FP | Various : Various | - | - | | - | | 33.553 | Nov 2019 | - | | 33.553 | 0.000 | 33.553 | 165.480 |
| ARISS | C/CPFF | SAIC : Reston, VA | - | - | | - | | 3.848 | Jan 2020 | - | | 3.848 | 0.000 | 3.848 | - |
| Army Suicide Prevention | TBD | TBD : TBD | - | - | | - | | 2.131 | | - | | 2.131 | Continuing | Continuing | Continuing |
| Subtotal | | | - | - | | - | | 39.532 | | - | | 39.532 | Continuing | Continuing | N/A |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| AIE - Facilities and Equipment Costs | C/CPFF | Various : Various | - | - | | - | | 0.800 | Jan 2020 | - | | 0.800 | 0.000 | 0.800 | 0.800 |
| Subtotal | | | - | - | | - | | 0.800 | | - | | 0.800 | 0.000 | 0.800 | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | - | - | | 0.000 | | 43.432 | | - | | 43.432 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) FL9 / <i>Army Accessioning IT Development</i> | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|--|---------|---|---|---|---------|---|---|---|-----------------------------|---|---|---|---------------|---|---|---|--------------------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| AIE - Acquisition, Testing and Deployment | | | | | | | | | Acq. Testing and Deployment | | | | | | | | | | | | | | | | | | | |
| AIE - Requirments & Acq Planning/AIE Infrastructure & Application Pilot (Wave 1) | | | | | | | | | Pilot Wave 1 | | | | | | | | | | | | | | | | | | | |
| AIE - Deploy Wave 2 | | | | | | | | | Deploy Wave 2 | | | | | | | | | | | | | | | | | | | |
| AIE - Deploy Wave 3 | | | | | | | | | | | | | Deploy Wave 3 | | | | | | | | | | | | | | | |
| AIE - Deploy Wave 4 | | | | | | | | | | | | | Deploy Wave 4 | | | | | | | | | | | | | | | |
| AIE - Deploy Wave 5 | | | | | | | | | | | | | | | | | Deploy Wave 5 | | | | | | | | | | | |
| AIE - Capability Support & Enhancements | | | | | | | | | | | | | | | | | Capability Support | | | | | | | | | | | |
| HRC Accessioning IT | | | | | | | | | ARISS | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FL9 / <i>Army Accessioning IT Development</i> | |

Schedule Details

| Events | Start | | End | |
|--|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| AIE - Acquisition, Testing and Deployment | 1 | 2020 | 3 | 2022 |
| AIE - Requirments & Acq Planning/AIE Infrastructure & Application Pilot (Wave 1) | 1 | 2020 | 2 | 2020 |
| AIE - Deploy Wave 2 | 3 | 2020 | 4 | 2020 |
| AIE - Deploy Wave 3 | 1 | 2021 | 2 | 2021 |
| AIE - Deploy Wave 4 | 3 | 2021 | 4 | 2021 |
| AIE - Deploy Wave 5 | 1 | 2022 | 2 | 2022 |
| AIE - Capability Support & Enhancements | 3 | 2022 | 3 | 2032 |
| HRC Accessioning IT | 1 | 2020 | 4 | 2020 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FM7 / Human Resouces Information Technology | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| FM7: Human Resouces Information Technology | - | 0.000 | 0.000 | 9.932 | - | 9.932 | 13.896 | 13.677 | 13.718 | 7.784 | 0.000 | 59.007 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Efforts in project FM7 transitioned from 0605013A T05 in FY 2020 for greater transparency.

A. Mission Description and Budget Item Justification

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

SOLDIER FOR LIFE-TRANSITION ASSISTANCE PROGRAM XXI (SFL-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 requirements in place today represent a 300 percent increase over the pre-VOW requirements. A significant modernization effort within TAP XXI is needed. Justification: (\$ in Millions) FY2019 Base procurement dollars in the amount of \$0.606 million resources the TAP XXI modernization requirements. Planned Program includes modernize client management module, Soldier module, and increase reporting capabilities.

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 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.

R-Builder is a living application database system that allows the Manning Program Evaluation Group (MM PEG) to update the database to include various cost drivers and factors used for programming, budgeting for all Army Service members pay, allowances, and benefits for the all-volunteer Army. R-Builder is used to develop the annual Program Objective Memorandum -Budget Estimate Submission (POM-BES), and to develop and manage the Army's military and civilian personnel in order to execute the President's National Security Strategy.

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) FM7 / Human Resouces Information Technology | | | | |
| <p>The Army Review Board Agency (ARBA) operates under the delegated authority of the Secretary of the Army as the final level of appeal for service members in uniform, veterans, and their family members, adjudicating tens of thousands of claimed errors or injustices annually. ARBA is staffed with 128 military personnel, civilians, and contractors, and additional 350 external Advisors and Boards Members. ARBA struggles with the substantial process and system-related inefficiencies. The Agency currently uses the ARBA Case Tracking System (ACTS) to facilitate case adjudication and the routing of corresponding hard copy case files (a.k.a. "redwelds"). This system was custom built in 1999, strictly for tracking the hand offs of redwelds. At its inception, ACTS was a huge leap forward; however, as the organization and technology evolved, the system has not been able to meet new Agency mission objectives and streamlining initiatives. This antiquated system costs the Agency multi-millions in annual sustainment fees and lacks the agility to address changing business requirements and organizational roles.</p> <p>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>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 provides approximately 64,000 (FY18) users with tools and capabilities to collect and preserve Army records, serves as the records management component of Army Knowledge On-Line, and the Secretary of the Army has mandated its use to collect and preserve Army records. ARIMS is replicated 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 management for the ARIMS and ARIMS-C infrastructure. Technology changes, integration, and systems migration require contractor support to ensure Army Electronic Archives 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 CONOPS records). As a web-based 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.</p> <p>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.</p> | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: ARIMS | | | - | - | 0.995 | - | 0.995 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) FM7 / Human Resouces Information Technology | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>Description: 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 provides approximately 64,000 (FY18) users with tools and capabilities to collect and preserve Army records, serves as the records management component of Army Knowledge On-Line, and the Secretary of the Army has mandated its use to collect and preserve Army records. ARIMS is replicated 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 management for the ARIMS and ARIMS-C infrastructure. Technology changes, integration, and systems migration require contractor support to ensure Army Electronic Archives 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 CONOPS records). As a web-based 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.</p> <p>This funds contractor man-years for technical and analytical expertise in the integration and validation of operational databases 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 over 30 distinct and 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</p> | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FM7 / Human Resouces Information Technology | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>existing ARIMS functionality and capability to support the SecArmy initiative includes updating ARIMS to support current technology such as Microsoft SharePoint environment, expanding storage capability, including network storage , and commensurate expansion of backup, security and communications capabilities over CONUS and OCONUS networks. This effort supports the ADCCP program.</p> <p>This effort transitioned from 0605013A T05 in FY20 and is not a new start.</p> <p>FY 2020 Base Plans: This line item funds contractor man-year for Middleware Software Engineering for the programming and integration of linkages between ARIMS, Army Information Systems and NARA?s Gateway, that generate or store long-term important records as part of functional business processes. Failure to fund at the requested level will preclude the efficient, effective, and transparent capture and preservation of important Army records generated by Army Information Systems. Without this capability, Army Information System managers will be required to manually extract and index records for submission and preservation in the ARIMS system. This effort supports the ADCCP program to ensure efficient use of Army resources and fulfill RMDA?s mission.</p> <p>This effort transitioned from 0605013A T05 in FY20 and is not a new start.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitioned from 0605013A T05 in FY20 and is not a new start.</p> | | | | | | |
| <p>Title: Army SHARP Data Management</p> <p>Description: 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>This effort transitioned from 0605013A T05 in FY 2020 and is not a new start.</p> <p>FY 2020 Base Plans: Enable Army leaders at all levels to manage ICRS data through E-Document Format and documents upload capabilities within ICRS. Increase data element in ICRS and complete the Sexual Assault Data Management (SADMS) integration of data into ICRS. Support Advanced Analytics capabilities, increase business intelligence</p> | | - | - | 1.049 | - | 1.049 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FM7 / Human Resouces Information Technology | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| capabilities, and support predictive analysis for SHARP Data. Automate SHARP ICRS Reporting capabilities and facility integration of EORS system in to ICRS. | | | | | | |
| This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| Title: G-1 Requirement Builder (R-Builder) | | - | - | 0.150 | - | 0.150 |
| Description: R-Builder is a living application database system that allows the Manning Program Evaluation Group (MM PEG) to update the database to include various cost drivers and factors used for programming, budgeting for all Army Service members pay, allowances, and benefits for the all-volunteer Army. R-Builder is used to develop the annual Program Objective Memorandum and Budget Estimate Submission, and develop and manage the Army's military and civilian personnel in order to execute the President's National Security Strategy. | | | | | | |
| This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| FY 2020 Base Plans: Continued modernization of the Army's Requirements Builder to budget better for the Army's military manpower requirements. | | | | | | |
| This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| Title: SFL-TAP XXI Modernization | | - | - | 1.219 | - | 1.219 |
| Description: SFL-TAP Transition Assistance Program (TAP) XXI Modernization - Modernize outdated application in order to create efficiencies and incorporate industry standards. | | | | | | |
| FY 2020 Base Plans: | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) FM7 / Human Resouces Information Technology | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| FY2020 Base research and development dollars in the amount of \$1.219 million to support cyber security program requirements, National Defense Authorization Act (NDAA) update requirements, and a case synopsis module. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: The increase from FY2019 to FY2020 is for addition hardware (database to servers and virtual servers) to support infrastructure and personnel. Resources transferred from Project T05 to FM7 beginning in FY20. | | | | | | |
| Title: HRC Core IT Description: 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. | | - | - | 2.942 | - | 2.942 |
| FY 2020 Base Plans: Ongoing efforts to modify the iPERMS application to replace the functionality of SnF servers with a robust scanning Web Service that will support the ARNG, 55 Military Personnel Offices (MILPOs), and remote users globally. Development is required ensure compliance with Defense Information Systems Agency Core Data Center and Cybersecurity requirements. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Inflation. Resources were transferred from Project T05. | | | | | | |
| Title: ARBA Description: The Army Review Board Agency (ARBA) operates under the delegated authority of the Secretary of the Army as the final level of appeal for service members in uniform, veterans, and their family members, adjudicating tens of thousands of claimed errors or injustices annually. ARBA is staffed with 128 military personnel, civilians, and contractors, and additional 350 external Advisors and Boards Members. | | - | - | 1.600 | - | 1.600 |
| ARBA struggles with the substantial process and system-related inefficiencies. The Agency currently uses the ARBA Case Tracking System (ACTS) to facilitate case adjudication and the routing of corresponding hard copy case files (a.k.a. ?redwelds?). This system was custom built in 1999, strictly for tracking the hand offs of redwelds. At its inception, ACTS was a huge leap forward; however, as the organization and technology evolved, the system has not been able to meet new Agency mission objectives and streamlining initiatives. This | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FM7 / Human Resouces Information Technology | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| antiquated system costs the Agency multi-millions in annual sustainment fees and lacks the agility to address changing business requirements and organizational roles. | | | | | | |
| FY 2020 Base Plans: FY 2020 funding is to modernize and re-engineer the current ARBA Case Tracking System (ACTS) that is in sustainment. ARBA?s leadership has aggressively driven business process reengineering to include end-to-end case digitization. However, ACTS? inflexibility stands in the way of Agency progress on many fronts and negatively affects the timeliness, costs, and quality of ARBA?s work products. Additionally, ARBA has undergone increasing congressional scrutiny, unfavorable media conclusions, and publicized court remands surrounding the quality and timeliness of its 18,000 annual adjudication outcomes. As a result, ARBA leadership has committed to Congress that it will drive fundamental change across the DOTMLPF-P spectrum. In summary, these significant problems result in greatly extended processing times, bottle-necked and rushed adjudication activities, numerous redundant hand-offs, and at times incorrect or contestable board outcomes. ARBA?s current process requires labor-intensive hard copy printing, collating, transporting, filing, scanning, labeling, inventorying, shipping, shredding, mailing, and tracking of redwelds and their content. - ARBA ADS Modernization capability requirements can be summarized as follows: - Lifecycle Case Management ? End-to-end Structured Process - Complete Case Digitization (electronic cases, board scheduling/voting, approvals, signatures) - Improved External Stakeholder Exchange and Case Transit - Leverage Historical Information/Comprehensive Knowledge Management Capability - Performance Assessment Framework ? Real-Time, Reliable Metrics - Modern, Flexible and Reliable IT Platform Supporting Mobility and Information Exchange | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This is a new start effort. | | | | | | |
| Title: Family Advocacy System of Records (FASOR) | | - | - | 1.977 | - | 1.977 |
| Description: 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 | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) FM7 / <i>Human Resouces Information Technology</i> | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| be placed into "positions of trust". Finally, FASOR facilitates reporting and data analysis in support of internal, Army, DoD, FOIA and Congressional requirements. | | | | | | |
| FY 2020 Base Plans: Continued research and development for modernization and compliance requirements to start in FY 2019. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitioned from 0605013A T05 in FY 2020 and is not a new start. | | | | | | |
| Accomplishments/Planned Programs Subtotals | | - | - | 9.932 | - | 9.932 |
| C. Other Program Funding Summary (\$ in Millions) N/A | | | | | | |
| Remarks | | | | | | |
| D. Acquisition Strategy The HRC Soldier for Life TAP XXI system is currently live and requires modernization. The Army SHARP Program is coordinating with 2 STAR Army Business Council (ABC) August FY 2018 Senior Leader Review Board to obtain approval to enhance the system. Currently, we are in the Business Capability Acquisition Cycle (BCAC), Capability Requirements Document (CRD). | | | | | | |
| E. Performance Metrics N/A | | | | | | |

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|--|------------------------|-------------------------------------|-------------|---------|------------|---|------------|--------------|------------|--|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FM7 / Human Resouces Information Technology | | | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 | - | - | | - | | 0.610 | | - | | 0.610 | 0.000 | 0.610 | - |
| Subtotal | | | - | - | | - | | 0.610 | | - | | 0.610 | 0.000 | 0.610 | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 | - | - | | - | | 0.995 | | - | | 0.995 | Continuing | Continuing | Continuing |
| Army SHARP Data Management | TBD | Data Management : TBD | - | - | | - | | 1.049 | | - | | 1.049 | Continuing | Continuing | Continuing |
| SFL-TAP | TBD | To Be Determined : To Be Determined | - | - | | - | | 0.609 | | - | | 0.609 | 0.000 | 0.609 | - |
| HRC Core IT | TBD | To Be Determined : To Be Determined | - | - | | - | | 2.942 | Aug 2020 | - | | 2.942 | 0.000 | 2.942 | - |
| ARBA | TBD | TBD : TBD | - | - | | - | | 1.600 | | - | | 1.600 | 0.000 | 1.600 | - |
| Subtotal | | | - | - | | - | | 7.195 | | - | | 7.195 | Continuing | Continuing | N/A |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| G-1 Requirements Builder (RBuilder) | TBD | TBD : TBD | - | - | | - | | 0.150 | | - | | 0.150 | 0.150 | 0.300 | - |
| Family Advocacy System of Records (FASOR) | TBD | TBD : TBD | - | - | | - | | 1.977 | | - | | 1.977 | Continuing | Continuing | Continuing |
| Subtotal | | | - | - | | - | | 2.127 | | - | | 2.127 | Continuing | Continuing | N/A |
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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | Project (Number/Name) FM7 / <i>Human Resouces Information Technology</i> | | | |
| | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | - | - | | 0.000 | | 9.932 | | - | | 9.932 | Continuing | Continuing | N/A |
| Remarks SFL-TAP has no additional changes from FY19-20 | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) FM7 / Human Resouces Information Technology | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SFL-TAP XXI Modernization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARIMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Army SHARP Data Management | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARBA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G-1 Requirements Builder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FASOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FM7 / <i>Human Resouces Information Technology</i> | |

Schedule Details

| Events | Start | | End | |
|----------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| HRC Core IT | 4 | 2020 | 4 | 2020 |
| SFL-TAP XXI Modernization | 1 | 2020 | 4 | 2024 |
| ARIMS | 1 | 2020 | 4 | 2024 |
| Army SHARP Data Management | 1 | 2020 | 4 | 2024 |
| ARBA | 2 | 2020 | 4 | 2024 |
| G-1 Requirements Builder | 1 | 2020 | 4 | 2024 |
| FASOR | 1 | 2020 | 4 | 2024 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| 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 | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| FM8: Information Technology for Training Systems | - | 0.000 | 0.000 | 40.720 | - | 40.720 | 35.290 | 34.270 | 24.958 | 4.611 | 0.000 | 139.849 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Not a new start. Funding was moved from 0605013A Project T05 to Project FM8 starting in FY 2020 for greater transparency.

A. Mission Description and Budget Item Justification

This project funds information technology systems that support Army Training.

The Army Training Information System (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. 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 visualization, understanding, and informed decision making.

ATIS Capabilities include:

- Training Development. Provides centralized access to training information anytime, anywhere, including educational and professional instruction.
- 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.

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.

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

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | | |
| 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 | | | | |
| <p>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.</p> <p>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).</p> <p>Universal Course Authoring Tool / The UCAT (Universal Curriculum and Assessment Tool) will serve as the primary curriculum and assessment development tool for curriculum development projects in meeting the directives from higher headquarters to transition into a new, digital learning environment. UCAT will support the delivery of curriculum and assessment products on a variety of different platforms in support of both resident and non-resident programs. UCAT consists of server-side applications and associated web services, databases, and client-side components which are currently under development.</p> <p>MIT LL Networked Pronunciation Feedback Program (NETProf) expansion will allow for further expansion and further utilization of the existing NetProF products for DLIFLC faculty and students. To reach higher levels of proficiency in foreign languages the planned dialog system would give an advantage to DLIFLC teachers to help students gain advances through practicing speaking using this new dialog system, and the connected NetProF improvement system for pronunciation for longer utterances. This feasibility study will help set new parameters for developing very advanced language teaching systems that otherwise could not be supported. This is in support of the 2+/2+/2 plan.</p> <p>DLPT5 Content Analysis, Categorization & Modeling 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> | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: Army Training Information System (ATIS) | | | - | - | 37.990 | - | 37.990 |
| Description: Army Training Information System (ATIS) is an enterprise system that will provide a common operational picture (COP) of the training environment through integrated, interoperable training development, management, scheduling, and delivery capabilities. These capabilities will enable Commanders, leaders, Soldiers, and civilians to better understand, visualize, describe, direct, lead, and assess training requirements so 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. | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| 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 | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| FY 2020 Base Plans: Funding to initiate development of the objective Army Training Information System (ATIS) including achievement of the Acquisition Authority to Proceed (A-ATP) milestone and the contract award of the developmental contract. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Increased funding will be used to fund activities from the prototype phase to initiate development of the Army Training Information System (ATIS). | | | | | | |
| Title: Enhancement of Army Training Models (ATM) Description: 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. | | - | - | 0.500 | - | 0.500 |
| FY 2020 Base Plans: The performance objective is to modernize and enhance forecasting of training requirements and produce deliverables in support of the Planning, Programming, Budgeting and Execution (PPBE) cycle. These deliverables will also include improvement of the MDEP validation process (MVP) for CYBER, Missions, Intelligence, and other non-operational activities. Enhancements will provide the resources to build and sustain readiness requirements in a standardized process for automated methodology development and resource allocation. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This is a new start in FY 2020. | | | | | | |
| Title: Army Career Tracker Description: The Army Career Tracker (ACT) 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 (ACT) system. | | - | - | 0.805 | - | 0.805 |
| FY 2020 Base Plans: Modernization developmental requirements will add new capabilities 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 | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | | | |
| 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 | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| 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. FY 2019 to FY 2020 Increase/Decrease Statement: This is not a new start, funding was transferred from project T05 to FM8 for greater transparency. | | | | | | | | |
| Title: Universal Course Authoring Tool (UCAT) Description: The UCAT (Universal Curriculum and Assessment Tool) will serve as the primary curriculum and assessment development tool for curriculum development projects in meeting the directives from higher headquarters to transition into a new, digital learning environment. UCAT will support the delivery of curriculum and assessment products on a variety of different platforms in support of both resident and non-resident programs. UCAT consists of server-side applications and associated web services, databases, and client-side components which are currently under development. FY 2020 Base Plans: This will be complete in FY 2021, to prepare for this, in FY 2020 we will be looking at the overall project and making any final adjustments to ensure completion on time. FY 2019 to FY 2020 Increase/Decrease Statement: This is not a new start, funding was transferred from project T05 to FM8 for greater transparency. | | | | - | - | 0.401 | - | 0.401 |
| Title: DLPT5 Content Analysis, Categorization & Modeling Description: 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. FY 2020 Base Plans: The overall project is broken up into smaller modules. We plan on completing more modules for the project. FY 2019 to FY 2020 Increase/Decrease Statement: This is not a new start, funding was transferred from project T05 to FM8 for greater transparency. | | | | - | - | 1.024 | - | 1.024 |
| Accomplishments/Planned Programs Subtotals | | | | - | - | 40.720 | - | 40.720 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FM8 / <i>Information Technology for Training Systems</i> |
| C. Other Program Funding Summary (\$ in Millions) N/A | | |
| Remarks | | |
| D. Acquisition Strategy The Army Training Information System (ATIS) is a Category II Defense Business System and will follow the Business Capability Acquisition Cycle (BCAC) in accordance with DoD 5000.75. ATIS will comprise of Commercial-of-the-Shelf (COTS) and/or Government-off-the-Shelf (GOTS) that will provide a Common Operational Picture (COP) of the training environment. This will enable Commanders, leaders, Soldiers, and civilians to better understand, visualize, describe, direct, lead, and assess Army training requirements. ATIS efforts will ultimately reduce the lifecycle costs of training by retiring more than 29 duplicative, stove-piped systems and improve performance with a net centric, standards-based, architecturally compliant system. The overarching strategy is centered on three distinct acquisition phases. Phase I - Program risk mitigation effort. Characterized by competitive selection of three vendors to develop, demonstrate and deliver to the Government three ATIS prototype systems with specified documentation. Phase II - Each system will be evaluated at the end of the prototyping phase and one vendor will be selected for engineering, development and deployment. Phase III - Upon full deployment of the system, a Sustainment Contract will be awarded for support and potential disposal of the system at the end of its useful life. ATIS intends to use Interim Contractor Logistics Support (ICLS) for initial sustainment beginning at Limited Deployment and will then transition to a hybrid life-cycle sustainment using a combination of CLS and government entities at Full Deployment (FD). | | |
| E. Performance Metrics N/A | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| 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 | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 | TBD | TBD : TBD | - | - | | - | | 37.990 | | - | | 37.990 | Continuing | Continuing | - |
| Army Career Tracker | TBD | TBD : TBD | - | - | | - | | 0.500 | | - | | 0.500 | Continuing | Continuing | Continuing |
| Universal Curriculum and Assessment Tool | TBD | TBD : TBD | - | - | | - | | 0.805 | | - | | 0.805 | Continuing | Continuing | Continuing |
| DLPT5 Content Analysis, Categorization & Modeling | TBD | TBD : TBD | - | - | | - | | 1.024 | | - | | 1.024 | Continuing | Continuing | Continuing |
| Enhanced Army Training Models | TBD | TBD : TBD | - | - | | - | | 0.401 | | - | | 0.401 | Continuing | Continuing | Continuing |
| Subtotal | | | - | - | | - | | 40.720 | | - | | 40.720 | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | - | - | | 0.000 | | 40.720 | | - | | 40.720 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) FM8 / <i>Information Technology for Training Systems</i> | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---------|---|---|---|---------|---|---|---|---------------------|---|---|---|-----------|---|---|---|-------------|---|---|---|-------------|---|---|---|---------|---|---|---|
| | 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: Acquisition Authority to Proceed (ATP) | | | | | | | | | 1 A ATP | | | | | | | | | | | | | | | | | | | |
| ATIS: Build 1.1 Build, Test, Deploy | | | | | | | | | | | | | Build 1.1 | | | | | | | | | | | | | | | |
| ATIS: Build 1.2 Built, Test, Deploy | | | | | | | | | | | | | Build 1.2 | | | | | | | | | | | | | | | |
| ATIS: Build 1.3 Build, Test, Deploy | | | | | | | | | | | | | | | | | Build 1.3 | | | | | | | | | | | |
| ATIS: Interim Operational Capability (IOC) | | | | | | | | | | | | | 2 IOC | | | | | | | | | | | | | | | |
| ATIS: Full Deployment Authority to Proceed | | | | | | | | | | | | | | | | | 3 FD ATP | | | | | | | | | | | |
| ATIS: Capability Support Authority to Proceed | | | | | | | | | | | | | | | | | | | | | 4 CS ATP | | | | | | | |
| Army Career Tracker | | | | | | | | | Product Development | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) FM8 / <i>Information Technology for Training Systems</i> | |

Schedule Details

| Events | Start | | End | |
|---|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| ATIS: Acquisition Authority to Proceed (ATP) | 2 | 2020 | 2 | 2020 |
| ATIS: Build 1.1 Build, Test, Deploy | 3 | 2020 | 4 | 2021 |
| ATIS: Build 1.2 Built, Test, Deploy | 2 | 2021 | 2 | 2022 |
| ATIS: Build 1.3 Build, Test, Deploy | 1 | 2023 | 3 | 2023 |
| ATIS: Interim Operational Capablility (IOC) | 4 | 2021 | 4 | 2021 |
| ATIS: Full Deployment Authority to Proceed | 4 | 2022 | 4 | 2022 |
| ATIS: Capability Support Authority to Proceed | 3 | 2023 | 3 | 2023 |
| Army Career Tracker | 1 | 2020 | 4 | 2021 |

Note
ATIS - The ATIS program will be officially baselined at the Acquisition - Authority to Proceed (ATP).

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FM9 / Information Technology for Criminal Investigations | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| FM9: Information Technology for Criminal Investigations | - | 0.000 | 0.000 | 1.245 | - | 1.245 | 1.237 | 1.242 | 1.245 | 1.247 | 0.000 | 6.216 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Not a new start. Project changed from T05 to FM9 starting in FY 2020 for greater transparency.

A. Mission Description and Budget Item Justification

Army Criminal Investigative Command has one effort for which RDT&E may be applied:

Criminal Investigative Management System (CIMS). CIMS, formerly known as the Law Enforcement Advisory Program (LEAP), is a collection of mission essential information technology (IT) systems within the United States Army Criminal Investigation Command (USACIDC) and the Office of the Provost Marshal General (OPMG). Through CIMS, the USACIDC and the OPMG developed an integrated and unified, comprehensive enterprise program / system that houses both classified and unclassified Law Enforcement Sensitive (LES) data. CIMS leverages existing and future Army Law Enforcement (LE) enterprise information technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. The primary component 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 Operations Police Suite (COPS) was previously comprised of five separate applications: two of these applications have been rationalized under ALERTS; the remaining three (related to the Army Corrections discipline) require modernization to ensure continued function and security compliance. RDT&E dollars are required to further enhance & enable CIMS' consolidation/rationalization of LE applications thereby providing the LE community the tools to more quickly investigate, solve, and prevent Army crime while also facilitating the management of those placed in corrections facilities. At present, all requested CID RDT&E funding in program element 0605013A will be applied to CIMS initiatives.

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

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|--|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Criminal Investigative Management System (CIMS) | - | - | 1.245 | - | 1.245 |
| Description: Criminal Investigative Management System (CIMS). CIMS, formerly known as the Law Enforcement Advisory Program (LEAP), is a collection of mission essential information technology (IT) systems within the United States Army Criminal Investigation Command (USACIDC) and the Office of the Provost Marshal General (OPMG). Through CIMS, the USACIDC and the OPMG developed an integrated and unified, comprehensive enterprise program / system that houses both classified and unclassified Law Enforcement Sensitive (LES) data. CIMS leverages existing and future Army Law Enforcement (LE) enterprise information | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) FM9 / <i>Information Technology for Criminal Investigations</i> | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. The primary component 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 Operations Police Suite (COPS) was previously comprised of five separate applications: two of these applications have been rationalized under ALERTS; the remaining three (related to the Army Corrections discipline) require modernization to ensure continued function and security compliance. RDT&E dollars are required to further enhance & enable CIMS? consolidation/rationalization of LE applications thereby providing the LE community the tools to more quickly investigate, solve, and prevent Army crime while also facilitating the management of those placed in corrections facilities. At present, all requested CID RDT&E funding in program element 0605013A will be applied to CIMS initiatives.</p> <p><i>FY 2020 Base Plans:</i> FY20 funds will continue to establish new congressional mandated law enforcement data transfer initiatives between multiple DoD internal and external law enforcement agencies. Provide Army law enforcement conviction data to the Federal Bureau Investigation's (FBI) National Crime Information Center (NCIC) for the prevention of the legal purchase of firearms by individuals convicted of a criminal offense.</p> <p><i>FY 2019 to FY 2020 Increase/Decrease Statement:</i> Funding was transferred in FY 2020 from project T05 to FM9 for greater transparency.</p> | | | | | | |
| Accomplishments/Planned Programs Subtotals | | - | - | 1.245 | - | 1.245 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | |
| N/A | | | | | | |
| Remarks | | | | | | |
| D. Acquisition Strategy | | | | | | |
| N/A | | | | | | |
| E. Performance Metrics | | | | | | |
| N/A | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) FM9 / Information Technology for Criminal Investigations | | | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Criminal Investigative Management System (CIMS) | C/CPFF | ACC-New Jersey : New Jersey | - | - | | - | | 1.245 | Jul 2020 | - | | 1.245 | 0.000 | 1.245 | - |
| Subtotal | | | - | - | | - | | 1.245 | | - | | 1.245 | 0.000 | 1.245 | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | - | - | | 0.000 | | 1.245 | | - | | 1.245 | 0.000 | 1.245 | N/A |
| Remarks | | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army

Date: March 2019

Appropriation/Budget Activity

2040 / 5

R-1 Program Element (Number/Name)

PE 0605013A / Information Technology Development

Project (Number/Name)

FM9 / Information Technology for Criminal Investigations

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|----------------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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) | | | | | | | | | | | | | contract award | | | | | | | | | | | | | | | |
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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) FM9 / Information Technology for Criminal Investigations | |

Schedule Details

| Events | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Criminal Investigative Management System (CIMS) | 4 | 2020 | 4 | 2024 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|--|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) T04 / USMEPCOM TRANSFORMTION - IT MODERNIZATION | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION | - | 7.045 | 17.802 | 16.624 | - | 16.624 | 10.982 | 11.383 | 2.235 | 0.000 | 0.000 | 66.071 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The US Military Entrance Processing Command Integrated Resource System (MIRS) 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). MIRS 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. MIRS 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.

MIRS 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, MIRS 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, USMEPCOM, and Office of the Secretary of Defense (OSD) Personnel & Readiness (P&R)

Stakeholders include: All Uniformed Services, Assistant Secretary of Defense (Health Affairs), Defense Transportation Management Office (DTMO), OSD P&R, Undersecretary of Defense (USD) Intel, Defense Manpower Data Center (DMDC), and Department of Veteran's Affairs.

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)

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|--|----------------|----------------|---------------------|--------------------|----------------------|
| Title: USMIRS Technical Upgrade | 2.483 | 17.802 | - | - | - |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) T04 / USMEPCOM TRANSFORMATION - IT MODERNIZATION | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>Description: Requested funding provides for: Technical refresh of core USMIRS functionality led by the Defense Digital Service (DDS), migrating the system to the cloud, integration and migration of remaining USMIRS System of Systems (SoS) applications, and integration of USMIRS 1.1 with Military Health System - Genesis (MHS Genesis).</p> <p>FY 2019 Plans: Continue update of MIRS and associated Applicant Processing applications to secure applicant data, and fielding of DDS MIRS 1.1.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 to FY 2020 decrease represents the completion of the development of core USMIRS 1.1 and supporting applications and shifts the focus to full digitization of the system.</p> | | | | | | |
| <p>Title: USMIRS Modernization/Digitization</p> <p>Description: Requested funding supports MIRS and Force of the Future mandated efforts associated with modernization/digitization by implementing modern data analytics, expanding non-cognitive testing, and digitizing the Military Entrance Processing Station (MEPS) process.</p> <p>FY 2020 Base Plans: Requested funding supports the effort to bring USMEPCOM to an all digital processing state. Continues expansion of non-cognitive testing.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 to FY 2020 increase represents the completion of the development of core USMIRS 1.1 and supporting applications and shifts the focus to full digitization of the system.</p> | | 4.562 | - | 16.624 | - | 16.624 |
| Accomplishments/Planned Programs Subtotals | | 7.045 | 17.802 | 16.624 | - | 16.624 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | |
| N/A | | | | | | |
| Remarks | | | | | | |
| D. Acquisition Strategy | | | | | | |
| N/A | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i> |

E. Performance Metrics
N/A

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|--|------------------------|--------------------------------|-------------|---------|------------|---|------------|--------------|------------|-------------|------------|---|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | | | Project (Number/Name) T04 / USMEPCOM TRANSFORMATION - IT MODERNIZATION | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Development Support | Various | TBD : TBD | 9.645 | 4.562 | | 17.802 | | 10.089 | | - | | 10.089 | 0.000 | 42.098 | - |
| Subtotal | | | 9.645 | 4.562 | | 17.802 | | 10.089 | | - | | 10.089 | 0.000 | 42.098 | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Development | C/Various | various : various | 40.105 | 2.483 | | - | | 6.535 | | - | | 6.535 | Continuing | Continuing | - |
| Subtotal | | | 40.105 | 2.483 | | - | | 6.535 | | - | | 6.535 | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 49.750 | 7.045 | | 17.802 | | 16.624 | | - | | 16.624 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | Project (Number/Name) T04 / USMEPCOM TRANSFORMATION - IT MODERNIZATION | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|----------------------------------|-------------------------------|---|---|---|---|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| MVP Delivery | <div>1</div> DDS Delivers MVP | | | | <div>2</div> Production Version of USMIRS 1.1 | | | | | | | | | | | | | | | | | | | | | | | |
| Production version of USMIRS 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Full Rollout | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Non - Cognitive Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i> | |

Schedule Details

| Events | Start | | End | |
|----------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| MVP Delivery | 3 | 2018 | 3 | 2018 |
| Production version of USMIRS 1.1 | 3 | 2019 | 3 | 2019 |
| Full Rollout | 1 | 2021 | 1 | 2021 |
| Non - Cognitive Testing | 3 | 2022 | 3 | 2022 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) T05 / Army Business System Modernization Initiatives | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| T05: Army Business System Modernization Initiatives | - | 34.355 | 27.790 | 5.974 | - | 5.974 | 38.516 | 41.723 | 3.677 | 3.415 | 0.000 | 155.450 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

The following project realignments have been completed to increase transparency within this Program Element:

- Army Safety Management Information System - Revised (ASMIS-R) funding was realigned from project T05 to project VR3 in FY 2018
- Army Accessions Information Environment (AIE) and Human Resource Command (HRC) IT development is realigned from project T05 to project FL9 in FY 2020
- Army Human Resources IT development efforts are realigned from project T05 to project FM7 in FY 2020
- Army Training IT development efforts are realigned from project T05 to project FM8 in FY 2020
- Army Criminal Investigation IT development efforts are realigned from project T05 to project FM9 in FY 2020

A. Mission Description and Budget Item Justification

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 entire Army. 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 Training Information System (ATIS) will provide a common operational picture (COP) of the training environment through integrated, interoperable training development, management, scheduling, and delivery capabilities. 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. 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 visualization, understanding, and informed decision making.

The Army Safety and Health Management System (ASHMS) initiative provides a framework of people, processes and technology to synchronize, integrate and optimize Army Safety and Occupational Health (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 Doctrine, Organization, Training, Materiel, Leadership and education, Personnel, Facilities and Policies (DOTMLPF-P) determined that the Army Safety Management Information System - Revised (ASMIS-R), a Defense Business System, is currently not able to satisfy current and emerging ASHMS 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 DASA(ESOH) revealed a deficiency in the system's requirements that would support Army Commands in identifying hazards in the work place, determining hazard mitigation strategies and controls, employing these strategies and controls, and measuring their potential for reducing mishaps. Addressing these problems will have an

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> |
| <p>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 Army Force Generation (ARFORGEN) capabilities.</p> <p>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).</p> <p>This program supports HRC 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>The HRC focus of the rationalization effort is to identify value-added 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.</p> <p>SOLDIER FOR LIFE-TRANSITION ASSISTANCE PROGRAM XXI (SFL-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 requirements in place today represent a 300 percent increase over the pre-VOW requirements. A significant modernization effort within TAP XXI is needed. Justification: FY2019 Base procurement dollars in the amount of \$606,000 resources the TAP XXI modernization requirements.</p> <p>The Defense Language Software Upgrade will perform a major modification to the Universal Course Authoring Tool (UCAT). The modification will enable the tool to allow the curriculum development department to author new curricula without having to know a programming language, such as HTML. Currently, the tool has limited authoring templates and doesn't support the higher language levels or contain testing templates. The tool will do the programming automatically in the proper format for</p> | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> |
| <p>online viewing regardless of the mobile device used to view the material. This will enable the author to input the content in a predetermined way and the program will convert it into the proper online format. There will also be programming support to develop and convert existing online material into the current formats for use with all mobile devices regardless of the operating system used. Our current online material does not support all mobile devices and it needs to be reprogrammed to support all current mobile devices regardless of the Operating System (OS) used (Android, Apple, Microsoft). The Defense Language Institute (DLI) doesn't have the capability to do any programming modifications to existing programs. The programs are in need of modifications to meet DLI's new graduation standards of 2+/2+.</p> <p>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. 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 (GFEBS) program. It includes a new effort in FY 2014, the Army Contract Writing System, a replacement for the DoD Standard Procurement System (SPS).</p> <p>Army Career Tracker (ACT) is a leader development tool created to change significantly the way training, education, and experiential learning support is provided to Army enlisted, officers, civilians, and their leaders/supervisors. 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 the Army's success. ACT comprises over 780,000 users with an adoption rate of 4,000 users per week. HQDA EXORD 054-12 ISO Army Transition mandates that leaders utilize roles in ACT to promote life-long learning and development opportunities throughout the Soldier's lifecycle of service (hire to retire).</p> <p>The Defense Language Software Upgrade will perform a major modification to the Universal Course Authoring Tool (UCAT). The modification will enable the tool to allow the curriculum development department to author new curricula without having to know a programming language, such as HTML. Currently, the tool has limited authoring templates and doesn't support the higher language levels or contain testing templates. The tool will do the programming automatically in the proper format for online viewing regardless of the mobile device used to view the material. This will enable the author to input the content in a predetermined way and the program will convert it into the proper online format. There will also be programming support to develop and convert existing online material into the current formats for use with all mobile devices regardless of the operating system used. Our current online material does not support all mobile devices and it needs to be reprogrammed to support all current mobile devices regardless of the Operating System (OS) used (Android, Apple, Microsoft). The Defense Language Institute (DLI) doesn't have the capability to do any programming modifications to existing programs. The programs are in need of modifications to meet DLI's new graduation standards of 2+/2+.</p> <p>Criminal Information Management System (CIMS): CIMS, formerly known as the Law Enforcement Advisory Program (LEAP), is a collection of mission essential information technology (IT) systems within the United States Army Criminal Investigation Command (USACIDC) and the Office of the Provost Marshal General (OPMG).</p> | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> |
| <p>Through CIMS, the USACIDC and the OPMG developed an integrated and unified, comprehensive enterprise program / system that houses both classified and unclassified Law Enforcement Sensitive (LES) data. CIMS leverages existing and future Army Law Enforcement (LE) enterprise information technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. The primary component 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 Operations Police Suite (COPS) was previously comprised of five separate applications: two of these applications have been rationalized under ALERTS; the remaining three (related to the Army Corrections discipline) require modernization to ensure continued function and security compliance. RDT&E dollars are required to further enhance & enable CIMS' consolidation/rationalization of LE applications thereby providing the LE community the tools to more quickly investigate, solve, and prevent Army crime while also facilitating the management of those placed in corrections facilities. At present, all requested CID RDT&E funding will be applied to CIMS initiatives.</p> <p>Educational Outreach Initiative: The Defense Forensic Science Center (DFSC), a subordinate element of USACIDC, requires funding for educational outreach initiatives including internship positions at the undergraduate, graduate, and doctoral candidate levels. The DFSC was designated as the leader for forensic science disciplines (DAPM Memo 4 Oct 2011). This memorandum states that the DFSC will establish a forensic RDT&E program that provides the integration of joint operational research, including procedures for establishing customer requirements, and identifying gaps and needs that lead to RDT&E priorities. The program includes developing a scholarly environment across the Defense Forensic Enterprise through the use of educational partnerships, internships and fellowships to facilitate participation in RDT&E projects. The Educational Outreach program provides an opportunity for students to contribute to forensic science research and influence shared research priorities across forensic science communities, while simultaneously supporting DFSC laboratory operations. Through the internship program, innovative research is conducted that supports research capabilities across the entire range of defense forensic operations (traditional laboratory, expeditionary (forward-deployed) laboratories, and reach-back functions).</p> <p>Research & Development Identified through the Broad Agency Announcement (BAA) Initiative: The DFSC requires funds to coordinate the execution of forensic research projects that will enhance the capability of forensic science applications for DoD customers both in traditional law enforcement/criminal justice settings as well as in expeditionary environments. The DFSC staff manage federally-funded research & development contracts identified through a two-year, rolling BAA procedure. The BAA is issued under the provisions of paragraph 6.102(d) (2) of the Federal Acquisition Regulation (FAR), which provides for the competitive selection of proposals. Submitted BAA research proposals selected for award are considered to be the result of full and open competition and in full compliance with the provisions of Public Law 98-369, "The Competition in Contracting Act of 1984" (and subsequent applicable amendments).</p> <p>Regional Level Application Software (RLAS) is a critical IT application to the AR managing the automated military pay, funds control, training calendar management and administrative records management for 198,000 Soldiers.</p> <p>Army Software Marketplace (ASM): ASM will enable the Army to have a centralized location to store software applications and application metadata.</p> <p>Chief of Staff, Army (CSA) Leaders' Dashboard: The CSA Leaders' Dashboard will capture and store readiness information in order to produce predictive analytics and facilitate decision making by senior Army leaders.</p> | | |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: ARIMS | | 1.428 | 0.767 | - | - | - |
| Description: 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 provides approximately 64,000 (FY 2018) users with tools and capabilities to collect and preserve Army records, serves as the records management component of Army Knowledge On-Line, and the Secretary of the Army has mandated its use to collect and preserve Army records. ARIMS is replicated 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 management for the ARIMS and ARIMS-C infrastructure. Technology changes, integration, and systems migration require contractor support to ensure Army Electronic Archives 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 CONOPS records). As a web-based 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. | | | | | | |
| This funds contractor man-years for technical and analytical expertise in the integration and validation of operational databases 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 over 30 distinct and 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. | | | | | | |
| This line item funds contractor man-year for Middleware Software Engineering for the programming and integration of linkages between ARIMS, Army Information Systems and NARA’s Gateway, that generate or store long-term important records as part of functional business processes. Failure to fund at the requested | | | | | | |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>level will preclude the efficient, effective, and transparent capture and preservation of important Army records generated by Army Information Systems. Without this capability, Army Information System managers will be required to manually extract and index records for submission and preservation in the ARIMS system. This effort supports the ADCCP program to ensure efficient use of Army resources and fulfill RMDA’s mission.</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 SharePoint environment, expanding storage capability, including network storage, and commensurate expansion of backup, security and communications capabilities over CONUS and OCONUS networks. This effort supports the ADCCP program.</p> <p>This effort transitions to 0605013A project FM7 in FY20.</p> <p>FY 2019 Plans: Continue to provide for contractor man-years to upgrade the government owned, contractor developed applications to meet future DOD and Army required security and operational protocols. Continue to add new functionality and update core software coding to these applications to increase productivity, decrease processing backlogs, and meet new requirements.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitions to 0605013A project FM7 in FY 2020 for greater transparency.</p> | | | | | | |
| <p>Title: Family Advocacy System of Records (FASOR)</p> <p>Description: 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.</p> <p>FY 2019 Plans:</p> | | - | 1.914 | - | - | - |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Continued research and development for modernization and compliance requirements to start in FY 2019. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Funding was transferred to project FM7 in FY 2020 for greater transparency. | | | | | | |
| Title: HRC IT (iPERMS, iPERMS-S, ASBS 2.0, SMS WEB) Description: 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 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. FY 2019 Plans: FY 2019 funding 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. FY 2019 to FY 2020 Increase/Decrease Statement: Resources transferred to FM7 in FY 2020 for greater transparency. | | 3.407 | 2.801 | - | - | - |
| Title: Army SHARP Description: 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) in accordance with public law. | | - | 0.639 | - | - | - |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| This effort transitions to 0605013A project FM7 in FY 2020 for greater transparency. FY 2019 Plans: Enable Army leaders at all levels to manage ICRS data through E-Document Format and documents upload capabilities within ICRS. Increase data element in ICRS and complete the Sexual Assault Data Management (SADMS) integration of data into ICRS. Support Advanced Analytics capabilities, increase business intelligence capabilities, and support predictive analysis for SHARP Data. Automate SHARP ICRS Reporting capabilities and facility integration of EORS system in to ICRS. FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitions to 0605013A project FM7 in FY 2020 for greater transparency. | | | | | | |
| Title: Criminal Information Management System (CIMS) Description: CIMS formerly known as the Law Enforcement Advisory Program (LEAP), is a collection of mission essential information technology (IT) systems within the Criminal Investigation Command (CIDC) and the Office of the Provost Marshal General (OPMG). Thru the CIMS, USACIDC and OPMG developed an integrated and unified, comprehensive enterprise program / system that houses Classified and Unclassified - Law Enforcement Sensitive (LES) data, leveraging existing and future Army LE enterprise information technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. The primary component is a comprehensive enterprise system, known as the Army Law Enforcement Reporting and Tracking System (ALERTS), provides US Army Law Enforcement stakeholders the enhanced capability to rapidly and efficiently manage a variety of Law Enforcement and criminal intelligence (CrimIntel) functions; as well as a broader range of senior executive reporting requirements. RDT&E dollars are required to further enhance ALERTS and other CIMS systems to continue the consolidation/rationalization of LE applications, and to give the LE community the tools to more quickly investigate, solve, and prevent Army crime. | | 4.186 | - | - | - | - |
| Title: Global Force Information Management Description: 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 entire Army. In addition, it will establish a common standard for force structure data by implementing the Global Force Management Data Initiative (GFM-DI). FY 2020 Base Plans: | | - | - | 2.933 | - | 2.933 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Funding will be used for continuation of Acquisition Planning and Systems Engineering support for GFIM requirements analysis and initial system design, along with prototyping efforts. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Increase in FY 2020 funding will continue the acquisition planning and systems engineering process. | | | | | | |
| Title: Army Training Information System (ATIS) Description: Army Training Information System (ATIS) is an enterprise system that will provide a common operational picture (COP) of the training environment through integrated, interoperable training development, management, scheduling, and delivery capabilities. These capabilities will enable Commanders, leaders, Soldiers, and civilians to better understand, visualize, describe, direct, lead, and assess training requirements so 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 2019 Plans: Funding will be used to complete the Business System Functional Requirements and Acquisition Planning (BS FARP) phase activities, develop documentation needed to achieve the Acquisition Authority to Proceed (ATP) milestone, develop Business System Acquisition, Testing and Deployment (BS ATD) RFP, and enter into BS ATD phase to begin development of the Army Training Information System (ATIS). FY 2019 to FY 2020 Increase/Decrease Statement: Funding moved to Project FM8 starting in FY 2020 for greater transparency. | | 11.244 | 9.974 | - | - | - |
| Title: SFL-TAP XXI Modernization Description: SOLDIER FOR LIFE-TRANSITION ASSISTANCE PROGRAM XXI (SFL-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 requirements in place today represent a 300 percent increase over the pre-VOW requirements. A significant modernization effort within TAP XXI is needed. Justification: (\$ in Millions) FY2019 Base procurement dollars in the amount of \$0.606 million resources the TAP | | - | 0.972 | - | - | - |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| XXI modernization requirements. Planned Program includes modernize client management module, Soldier module, and increase reporting capabilities. | | | | | | |
| FY 2019 Plans: FY 2019 funding will support modernization requirements. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Resources transferred to FM7 in FY 2020 for greater transparency. | | | | | | |
| Title: Army Career Tracker (ACT) Description: Modify the existing Soldier Home Page to quickly display key career related status requiring immediate action. Use ACT professional development systems to support and enhance Soldier competitive efforts for advancement and retention. ACT will utilize the Real-Time Broker Service (RBS) to get the DoD ID Number from DMDC for new users who come to them through these other systems. This method will allow ACT to retrieve DoD ID for users that may not have been processed in the Batch Request. | | 0.960 | 0.698 | - | - | - |
| FY 2019 Plans: The revision of the Professional development model will ensure greater granularity, while providing the ability to capture and report on branch competencies by skill levels. This effort will include provide a backend administrative console for use of management and sustainment, additions and deletions of career/learning content and related competencies. The automated Individual Development Plan in ACT does not support the continuous interaction between the supervisor and employee as a living document. As we transition to DoD Performance Management and Appraisal Program (DPMAP), these required enhancements to the ACT system will assist in keeping a strong connection between performance management and employee development. Currently the Sergeant Major Management Office (SMMO) does not have an enterprise level leader development tool for accurate display management of KSAs at the personnel or position level. Exportable Life Long Learning Profile is needed in collaboration with each individual, identify employment, education, and training opportunities which will extend their talents and optimize their performance. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitions to 0605013A project FM8 in FY 2020 for greater transparency. | | | | | | |
| Title: Defense Language Software Upgrade Description: Modify the Universal Course Authoring Tool (UCAT). This tool will enable the curriculum development department to author new curricula without having to program in HTML. The tool will do the | | 1.286 | 1.028 | - | - | - |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| programming automatically in the proper format for online viewing. There will also be programming support to develop and convert existing online material into the current formats for use with all mobile devices regardless of the operating system used. | | | | | | |
| FY 2019 Plans: Modify the Universal Course Authoring Tool (UCAT). This tool will enable the curriculum development department to author new curricula without having to program in HTML. The tool will do the programming automatically in the proper format for online viewing. There will also be programming support to develop and convert existing online material into the current formats for use with all mobile devices regardless of the operating system used. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: This effort transitions to 0605013A project FM8 in FY 2020 for greater transparency. | | | | | | |
| Title: Commanders Risk Reduction Dashboard (CRRD) | | 1.600 | 3.744 | - | - | - |
| Description: The Commanders Risk Reduction Dashboard (CRRD) requirements will be moved to and maintained within PE 0605013A, Project 099 in FY2019. CRRD will consolidate information from multiple Army databases and present to commanders a concise report about which Soldiers in their unit have been involved with at-risk behaviors, some of which may be associated with suicide, and when those instances occurred. | | | | | | |
| FY 2019 Plans: The CRRD tool will provide a single dashboard of information that identified potential attributes that increase the risk of suicide. The dashboard will provide Commanders in all Army components with the capability to obtain information regarding the soldier?s previous disciplinary actions, both civilian and UCMJ as well as the information regarding the health of the Soldier. This information will enable the Commander to gain additional inputs on the Soldier?s background, allowing the Commander to adjust their leadership and counseling approach to improve the Soldier?s wellbeing therefore increasing their ability to perform their duties. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: The Commanders Risk Reduction Dashboard (CRRD) requirements will be moved to and maintained within PE 0605013A, Project 099 in FY 2020. | | | | | | |
| Title: Army Business System Modernization Initiatives | | 7.659 | 3.940 | 3.041 | - | 3.041 |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>Description: 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 components of the Army Civilian HCM Life-Cycle and link to G3 'Structure' IT Enterprise Applications.</p> | | | | | | |

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| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| 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 & support capabilities. | | | | | | |
| 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. | | | | | | |
| FY 2019 Plans: Continue to fund Army Business System Modernization Initiatives. | | | | | | |
| FY 2020 Base Plans: Continue to fund Army Business System Modernization Initiatives. | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: Reduction reflects current requirements. | | | | | | |
| Title: Army Software Marketplace (ASM) Description: ASM will enable the Army to have a centralized location to store software applications and application metadata. | | 2.585 | - | - | - | - |
| Title: FY 2019 SBIR / STTR Transfer Description: FY 2019 SBIR / STTR Transfer | | - | 1.313 | - | - | - |
| FY 2019 Plans: FY 2019 SBIR / STTR Transfer | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer | | | | | | |
| Accomplishments/Planned Programs Subtotals | | 34.355 | 27.790 | 5.974 | - | 5.974 |

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| C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy <p>Modernize IT legacy systems across Army IT domains by adapting/improving government off the shelf (GOTS), commercial off the shelf (COTS), and new software development to perform various tasks in a networked environment. These efforts include Army Contract Writing System (ACWS), Army Training Information System (ATIS), Soldier Management System (SMS), Commander's Risk Reduction Dashboard (CRRD), the Army Strategic Readiness Update (ASRU), Law Enforcement Advisory Program (LEAP), Educational Outreach Program, R&D Broad Agency Program, Program Planning Budget Execution (PPBE) - Business Operating System (BOS), 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 Retain System, Army Contract Writing System (ACWS), Army Mapper, and the Interactive Personnel Electronic Records Management System (iPERMS).</p> <p>ACWS strategy is to perform all requisite activities to concurrently develop pre-milestone A/B documentation and perform pre-solicitation/source selection activities to meet the USD AT&L timelines for building a contract writing system to replace legacy contract systems to include the Standard Procurement System (SPS).</p> <p>ASMIS-R is comprised of legacy modules (applications) that require modernization to maintain their relevancy to the Army in support of mishap reduction. As stated above, these are primarily related to meeting minimum DoD regulatory requirements related to the collection of mishap information, safety information storage, and resolving inefficiencies in data quality control and information flow.</p> <p>Additionally, advances in technology allow for improvements in performance and data integrity that currently are deficiencies in the system. ASMIS-R, in its current state, does not provide any IT (material solution) to the business requirements identified above. The Command has utilized a FFP contract to execute specific Task Orders to develop the tools and products through mid-year FY 2015. The CRC will be competing a new contract vehicle to support the development of products and tools from midyear FY 2015 through FY 2019.</p> <p>HQDA AG-1 Civilian Personnel (CP) Systems' Acquisition Strategy - The HQDA AG-1 Civilian Personnel (CP) office, Civilian Information Services Division (CISD) Chief and Program Managers will manage these modernization efforts and will utilize the HQDA AG-1 CP's Configuration Control Committee (CCC), Configuration Control Board (CCB), and Integrated Product Teams (IPT) to ensure the appropriate functionality is implemented into OET, CPOL Portal, and FASCLASS. Development tasks will be performed by AG-1 CP's contractor staff, whose performance is monitored according to the Quality Assurance Surveillance Program. In addition, unit testing and operational testing will be implemented to ensure the new functionality performs as required. This work will be performed on a firm- fixed- price contract vehicle.</p> | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> |

GFIM will leverage existing Force Management System Cost Plus Fixed Fee contract to execute development efforts.

E. Performance Metrics

N/A

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|---|-----------------------------------|---|--------------------|----------------|-------------------|---|-------------------|---------------------|-------------------|--------------------|-------------------|---|-------------------------|-------------------|---------------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> | | | |
| Management Services (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 XXI Modernization | TBD | To Be Determined : To Be Determined | - | - | | 0.639 | | - | | - | | - | Continuing | Continuing | Continuing |
| Subtotal | | | - | - | | 0.639 | | - | | - | | - | Continuing | Continuing | N/A |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| PRODUCT DEVELOPMENT FOR KEYSTONE RETAIN SYSTEM, i-PERMS PRODUCT DEVELOPMENT | MIPR | M&RA/G-1 : ARLINGTON, VA | 16.570 | - | | - | | - | | - | | - | 0.000 | 16.570 | - |
| PPBOS PRODUCT DEVELOPMENT | MIPR | OAA : FORT BELVOIR, VA | 23.334 | 1.417 | | 0.730 | | 0.989 | | - | | 0.989 | Continuing | Continuing | Continuing |
| Product Development for ACWS | C/IDIQ | PEO EIS : Alexandria, VA | 45.741 | - | | - | | - | | - | | - | Continuing | Continuing | Continuing |
| ATIS | C/IDIQ | PEO EIS : FT Eustice VA | 24.508 | 11.244 | | 9.974 | | - | | - | | - | Continuing | Continuing | Continuing |
| CRRD | C/IDIQ | TBD : TBD | 0.627 | 1.600 | | 3.744 | | - | | - | | - | Continuing | Continuing | Continuing |
| The Army Safety and Health Management System | C/IDIQ | TBD : TBD | 8.225 | - | | - | | - | | - | | - | Continuing | Continuing | - |
| Army Career Tracker | C/FFP | IBM : Reston, VA | 1.328 | 0.960 | | 0.698 | | - | | - | | - | Continuing | Continuing | - |
| Army Business System Modernization Initiatives | C/IDIQ | TBD : TBD | 21.397 | 6.242 | | 5.124 | | 2.052 | | - | | 2.052 | Continuing | Continuing | - |
| CIMS | C/IDIQ | ACC : NCR | 2.170 | 4.186 | | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Educational Outreach Initiative: | C/IDIQ | DFSC : FT Gillem | 0.156 | - | | - | | - | | - | | - | 0.000 | 0.156 | - |
| Research & Development Identified through | C/IDIQ | DFSC : Ft Gillem | 2.340 | - | | - | | - | | - | | - | 0.000 | 2.340 | - |

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|---|------------------------|--|-------------|---------|------------|---|------------|--------------|------------|---|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) T05 / Army Business System Modernization Initiatives | | | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| the Broad Agency Announcement Initiative | | | | | | | | | | | | | | | |
| Defense Language Software Upgrade | C/FFP | TBD : TBD | 2.524 | 1.286 | | 1.028 | | - | | - | | - | Continuing | Continuing | Continuing |
| Army Software Marketplace (ASM) | TBD | PEO EIS : Fort Belvoir, VA | - | 2.585 | | - | | - | | - | | - | 0.000 | 2.585 | - |
| Global Force Information Management | Option/ CPFF | CACI : Chantilly, VA | - | - | | - | | 2.933 | | - | | 2.933 | Continuing | Continuing | Continuing |
| Army SHARP | TBD | Various : Various | - | - | | 0.639 | | - | | - | | - | Continuing | Continuing | Continuing |
| SFL-TAP XXI Modernization | TBD | To Be Determined : To Be Determined | - | - | | 0.333 | | - | | - | | - | Continuing | Continuing | Continuing |
| HRC Core IT | C/CPFF | Digital Management, LLC / SAIC : Bethesda, MD / Reston, VA | - | 3.407 | Aug 2018 | 2.801 | | - | | - | | - | Continuing | Continuing | Continuing |
| ARIMS | TBD | TBD : TBD | - | 1.428 | | 0.767 | | - | | - | | - | Continuing | Continuing | Continuing |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 1.313 | | - | | - | | - | 0.000 | 1.313 | - |
| Subtotal | | | 148.920 | 34.355 | | 27.151 | | 5.974 | | - | | 5.974 | Continuing | Continuing | N/A |
| 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 entire Army. In addition, it will establish a common data standard for force structure data by implementing the Global Force Management - Data Initiative (GFM-DI). | | | | | | | | | | | | | | | |
| Army Training Information System (ATIS) is an enterprise system that will provide a common operational picture of the training environment through integrated, interoperable training development, management, scheduling, and delivery capabilities. These capabilities will enable commanders, leaders, soldiers, and civilians to better understand, visualize, describe, direct, lead and assess training requirements so they can more effectively plan, prepare, execute, and assess training. End result is an ATIS that enables soldiers to train as they fight so they can effectively fight as they have trained. | | | | | | | | | | | | | | | |
| Adapt/improve/install/field government off the shelf (GOTS), commercial off the shelf (COTS), and new software to perform various tasks in a networked environment such as data warehousing, force management, personnel, installation and environmental databases and applications to support Business System Transformation and Installation Management, to include Commander's Risk Reduction Dashboard. | | | | | | | | | | | | | | | |

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|--|------------------------|--------------------------------|-------------|---------|------------|---|------------|--------------|------------|---|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) T05 / Army Business System Modernization Initiatives | | | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| 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 18. | | | | | | | | | | | | | | | |
| Criminal Information Management System (CIMS): CIMS formerly known as the Law Enforcement Advisory Program (LEAP), is a collection of mission essential information technology (IT) systems within the Criminal Investigation Command (CIDC) and the Office of the Provost Marshal General (OPMG). Thru the CIMS, USACIDC and OPMG developed an integrated and unified, comprehensive enterprise program / system that houses Classified and Unclassified - Law Enforcement Sensitive (LES) data, leveraging existing and future Army LE enterprise information technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. The primary component is a comprehensive enterprise system, known as the Army Law Enforcement Reporting and Tracking System (ALERTS), provides US Army Law Enforcement stakeholders the enhanced capability to rapidly and efficiently manage a variety of Law Enforcement and criminal intelligence (CrimIntel) functions; as well as a broader range of senior executive reporting requirements. RDT&E dollars are required to further enhance ALERTS and other CIMS systems to continue the consolidation/rationalization of LE applications, and to give the LE community the tools to more quickly investigate, solve, and prevent Army crime. | | | | | | | | | | | | | | | |
| Educational Outreach Initiative: The Defense Forensic Science Center (DFSC), a subordinate element of USACIDC, requires funding for educational outreach initiatives including internship positions at the undergraduate, graduate, and doctoral candidate levels. The DFSC was designated as the leader for forensic science disciplines (DAPM Memo 4 Oct 2011). This memorandum states that the DFSC will establish a forensic RDT&E program that provides the integration of joint operational research, including procedures for establishing customer requirements, and identifying gaps and needs that lead to RDT&E priorities. | | | | | | | | | | | | | | | |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| IPPS-A SUPPORT COSTS | MIPR | HRC : FORT KNOX, KY | 15.357 | - | | - | | - | | - | | - | 0.000 | 15.357 | - |
| HRC SYSTEMS KEYSTONE, IPERMS | MIPR | HRC : FORT KNOX, KY | 0.385 | - | | - | | - | | - | | - | 0.000 | 0.385 | - |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> | | | |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| Law Enforcement Advisory Program(LEAP) | MIPR | ACC/NCR : Quantico, VA | 2.677 | - | | - | | - | | - | | - | Continuing | Continuing | - |
| ARMY MAPPER | C/T&M | TBD : TBD | 0.220 | - | | - | | - | | - | | - | 0.000 | 0.220 | - |
| Subtotal | | | 18.639 | - | | - | | - | | - | | - | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 167.559 | 34.355 | | 27.790 | | 5.974 | | - | | 5.974 | Continuing | Continuing | N/A |
| Remarks SFL-TAP has no additional changes from FY19-20 | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> | |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| ACWS Product Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATIS Product Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASHMS Product Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACT Prduct Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Army Business System Modernization | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Army Software Marketplace (ASM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Global Force Information Management | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRRD Commander's Risk Reduction Dashboard | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SFL-TAP XXI Modernization | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HRC Core IT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) T05 / <i>Army Business System Modernization Initiatives</i> | |

Schedule Details

| Events | Start | | End | |
|---|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| PPB BOS Product Development | 1 | 2014 | 4 | 2015 |
| ACWS Product Development | 1 | 2014 | 4 | 2018 |
| ATIS Product Development | 1 | 2016 | 1 | 2023 |
| ASHMS Product Development | 1 | 2016 | 2 | 2018 |
| ACT Prduct Development | 1 | 2016 | 4 | 2018 |
| Army Business System Modernization | 1 | 2016 | 4 | 2020 |
| Army Software Marketplace (ASM) | 3 | 2017 | 1 | 2018 |
| Global Force Information Management | 2 | 2019 | 4 | 2022 |
| CRRD Commander's Risk Reduction Dashboard | 3 | 2015 | 4 | 2018 |
| SFL-TAP XXI Modernization | 1 | 2019 | 4 | 2024 |
| HRC Core IT | 4 | 2018 | 4 | 2020 |

Note

Army Contract Writing System moved to 0605047 in FY 2017. The Commanders Risk Reduction Dashboard (CRRD) requirements moved to and are now maintained within PE 0605013A, Project 099 in FY2019.

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|------------------|------------------|------------|
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) VR3 / ASMIS-R (REPORTIT) | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| VR3: ASMIS-R (REPORTIT) | - | 3.455 | 1.966 | 3.095 | - | 3.095 | 3.159 | 3.222 | 3.268 | 3.301 | 0.000 | 21.466 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The Army Safety and Health Management System (ASHMS) initiative provides a framework of people, processes and technology to synchronize, integrate and optimize Army Safety and Occupational Health (SOH) capabilities to reserve 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 Doctrine, Organization, Training, Materiel, Leadership and education, Personnel, Facilities and Policies (DOTMLPF-P) determined that the Army Safety Management Information System - Revised (ASMIS-R), a Defense Business System, is currently not able to satisfy current and emerging ASHMS 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 DASA(ESOH) revealed a deficiency in the system's requirements that would support Army Commands in identifying hazards in the work place, 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 Army Force Generation (ARFORGEN) capabilities.

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

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Title: ASMIS-R Development | 3.455 | 1.869 | 3.095 | - | 3.095 |
| Description: The Army Safety and Health Management System (ASHMS) initiative provides a framework of people, processes and technology to synchronize, integrate and optimize Army Safety and Occupational Health (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 Doctrine, Organization, Training, Materiel, Leadership and education, Personnel, Facilities and Policies (DOTMLPF-P) determined that the Army Safety Management Information System ? Revised (ASMIS-R), a Defense Business System, is currently not able to satisfy current and emerging ASHMS 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 work place, | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) VR3 / <i>ASMIS-R (REPORTIT)</i> | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| <p>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 Army Force Generation (ARFORGEN) capabilities.</p> <p>FY 2019 Plans: FY 2019 funds are being used to continue development of ASMIS-R products and tools.</p> <p>FY 2020 Base Plans: Continue work with Army Analytics Group and contract for the development of the fourth activity.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: Increase in funding for the fourth activity.</p> | | | | | | |
| <p>Title: FY 2019 SBIR / STTR Transfer</p> <p>Description: FY 2019 SBIR / STTR Transfer</p> <p>FY 2019 Plans: FY 2019 SBIR / STTR Transfer</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: FY 2019 SBIR / STTR Transfer</p> | | - | 0.097 | - | - | - |
| Accomplishments/Planned Programs Subtotals | | 3.455 | 1.966 | 3.095 | - | 3.095 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | |
| N/A | | | | | | |
| Remarks | | | | | | |
| D. Acquisition Strategy | | | | | | |
| <p>ASMIS-R is comprised of legacy modules (applications) that require modernization to maintain their relevancy to the Army in support of mishap reduction. As stated above, these are primarily related to meeting minimum DoD regulatory requirements related to the collection of mishap information, safety information storage, and resolving inefficiencies in data quality control and information flow.</p> <p>Additionally, advances in technology allow for improvements in performance and data integrity that currently are deficiencies in the system. ASMIS-R, in its current state,</p> | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) VR3 / <i>ASMIS-R (REPORTIT)</i> |

does not provide any IT (material solution) to the business requirements identified above. The Command has utilized a FFP contract to execute specific Task Orders to develop the tools and products through mid-year FY 2015. The CRC will be competing a new contract vehicle to support the development of products and tools from midyear FY 2015 through FY 2024.

E. Performance Metrics

N/A

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|--|------------------------|-----------------------------------|-------------|---------|------------|---|------------|--------------|------------|-------------|------------|---|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | | | Project (Number/Name) VR3 / ASMIS-R (REPORTIT) | | | |
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| ASMIS-R | MIPR | AAG : Monterrey, CA | - | 0.434 | | 0.426 | | 0.395 | | - | | 0.395 | Continuing | Continuing | Continuing |
| FY 2019 SBIR / STTR Transfer | TBD | TBD : TBD | - | - | | 0.097 | | - | | - | | - | 0.000 | 0.097 | - |
| Subtotal | | | - | 0.434 | | 0.523 | | 0.395 | | - | | 0.395 | Continuing | Continuing | N/A |
| Support (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 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 |
| ASMIS-R | TBD | Army Contracting Command : Natick | - | 3.021 | Jun 2018 | 1.443 | Dec 2018 | 2.700 | | - | | 2.700 | Continuing | Continuing | Continuing |
| Subtotal | | | - | 3.021 | | 1.443 | | 2.700 | | - | | 2.700 | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | - | 3.455 | | 1.966 | | 3.095 | | - | | 3.095 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army

Date: March 2019

Appropriation/Budget Activity

2040 / 5

R-1 Program Element (Number/Name)

PE 0605013A / *Information Technology Development*

Project (Number/Name)

VR3 / ASMIS-R (REPORTIT)

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | Project (Number/Name) VR3 / ASMIS-R (REPORTIT) |

Schedule Details

| Events | Start | | End | |
|---------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Product Development | 3 | 2018 | 4 | 2024 |

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|--|-------------|---------|---------|--------------|---|---------------|---------|---------|--|------------------|------------------|---------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | Project (Number/Name) XV6 / Army Leader Dashboard | | | |
| COST (\$ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
| XV6: Army Leader Dashboard | - | 0.000 | 0.000 | 1.479 | - | 1.479 | 1.508 | 1.539 | 1.538 | 1.601 | 0.000 | 7.665 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |
| Note Program is not a new start. On 10 May 2018 and ATR was approved by the HAC-D for \$7.4M (FY17 RDT&E) used in FY18 to award an Other Transaction Agreement to 5 vendors and to complete Phase 1 Prototyping (funding Line - 655013).In addition, ABO funded the ALD program with \$9.575M (FY19 RDT&E) to fund Phase 2 Prototyping efforts in FY19. | | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification Funding supports the Army Leader Dashboard, a large data management platform-like and tailorable solution that integrates, analyzes, and visualizes information from multiple disparate data sources, both classified and unclassified. Information relayed by the system will include timely, precise, and accurate reports and indicators for readiness, manning, equipping, training, sustainment, acquisition, and cyber security capabilities at all levels from the individual Soldier or item, to unit levels, and to the strategic level. ALD will provide Army leaders near real-time visibility and access to Army data sources, facilitating rapid decision making while supporting strategic, operational, and tactical planning. ALD is one of the CSA's top priorities and is endorsed by senior leaders throughout the Army. | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Title: Army Leader Dashboard Acquisition, Testing and Deployment Phase | | | | | | | | - | - | 1.479 | - | 1.479 |
| Description: During the Acquisition, Testing, and Deployment Phase the ALD program will perform all development, data integration, test, and deployment activities of a dashboard solution that will enable Army Senior leaders and leaders at designated levels to easily navigate through information from multiple Army Authoritative Data Sources (ADS?s) in order to capture information to produce predictive analytics and facilitate real-time or near real-time decision making. | | | | | | | | | | | | |
| FY 2020 Base Plans: Funding will support the Phase 3 Production phase, specifically on external interface partner integration and development. To date, a potential of 697 authoritative data sources have been identified that will require some sort of connection to ALD. | | | | | | | | | | | | |
| FY 2019 to FY 2020 Increase/Decrease Statement: | | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | Date: March 2019 | | |
| Appropriation/Budget Activity 2040 / 5 | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | Project (Number/Name) XV6 / <i>Army Leader Dashboard</i> | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | |
| | | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
| Program is not a new start. On 10 May 2018 and ATR was approved by the HAC-D for \$7.4M (FY17 RDT&E) used in FY18 to award an Other Transaction Agreement to 5 vendors and to complete Phase 1 Prototyping (funding Line ? 655013).In addition, ABO funded the ALD program with \$9.575M (FY19 RDT&E) to fund Phase 2 Prototyping efforts in FY19. FY20 funding supports the Production phase, specifically external interface partner integration and development of Authoritative Data Source systems. | | | | | | |
| Accomplishments/Planned Programs Subtotals | | - | - | 1.479 | - | 1.479 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | |
| N/A | | | | | | |
| Remarks | | | | | | |
| Army Leader Dashboard (ALD) has also been allocated OMA dollars in FY20 to fund the Phase 3 Production phase as a Software as a Service (SaaS). The OMA dollars will maintain the selected system - licenses, helpdesk hosting, cybersecurity, and all supporting sustainment activity requirements. | | | | | | |
| D. Acquisition Strategy | | | | | | |
| In Section 815 of the National Defense Authorization Act (NDAA) for FY16, Public Law 114-92, Congress amended DoD's authority to carry out prototype projects using Other Transaction (OT) agreements. OT agreements are now permanently codified in 10 U.S.C. Section 2371b, titled "Authority of the Department of Defense to Carry out Certain Prototype Projects" and offer a streamlined method for selecting and conducting prototype projects. The ALD Team is taking advantage of this useful acquisition tool to procure ALD prototypes rapidly. Section 2371b requires that competitive procedures be used "to the maximum extent practicable," and the ALD is using a "full and open" Prototype Proposal Opportunity Notice (PPON) to achieve maximum competition. | | | | | | |
| In addition to the system functional requirements, a directed needs statement directs the program to: | | | | | | |
| * Procure no less than two, and not more than four, prototypes for user assessment, development of application protocol interfaces, and development of selected software interfaces with designated Authoritative Data Sources. | | | | | | |
| * Phase the program to deliver an initial capability of two to four prototypes no later than 30 days (from award announcement) that allows assessment of the awarded two to four prototypes and a final comparison tradeoff. The results will lead to a follow-on award of one to two prototypes for an additional assessment phase upon execution of a Decision Point. | | | | | | |
| E. Performance Metrics | | | | | | |
| N/A | | | | | | |

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|---|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | | Date: March 2019 | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | | | | | | Project (Number/Name) XV6 / <i>Army Leader Dashboard</i> | | | |

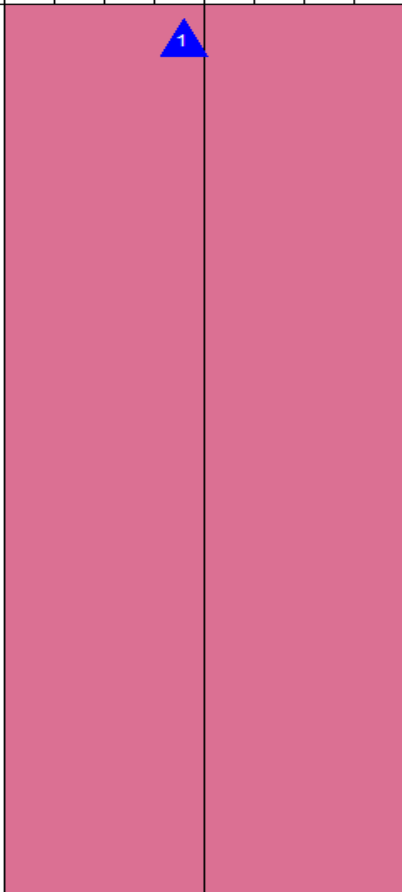

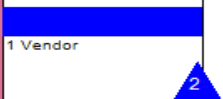
| Product Development (\$ in Millions) | | | | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | | | |
|--|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| 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 |
| External Interface Partner Integration | TBD | TBD : TBD | - | - | | - | | 1.479 | Jan 2020 | - | | 1.479 | 0.000 | 1.479 | Continuing |
| Subtotal | | | - | - | | - | | 1.479 | | - | | 1.479 | 0.000 | 1.479 | N/A |

Remarks
The interface development approach for ALD will be informed by the Studies & Analysis requirement during the Phase 1 Prototyping Stage in FY18/FY19.

| | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| Project Cost Totals | - | - | 0.000 | 1.479 | - | 1.479 | 0.000 | 1.479 | N/A |

Remarks

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---|---|------------------|---------|--|---|---|---------|---|---|---|---------|---|---|---|
| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | | | | | | | | | | | | | | Date: March 2019 | | | | | | | | | | | | |
| Appropriation/Budget Activity 2040 / 5 | | | | | | | | | R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development | | | | | | | | | Project (Number/Name) XV6 / Army Leader Dashboard | | | | | | | | | | |
| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
| | 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 |
| ALD OTA Contract Award |  | | | |  | | | |  | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALD Phase 3 Production | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Begin ALD Capability Support Phase | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | Date: March 2019 |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i> | Project (Number/Name) XV6 / <i>Army Leader Dashboard</i> | |

Schedule Details

| Events | Start | | End | |
|------------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| ALD OTA Contract Award | 4 | 2018 | 4 | 2018 |
| ALD Phase 3 Production | 1 | 2020 | 4 | 2020 |
| Begin ALD Capability Support Phase | 4 | 2020 | 4 | 2020 |