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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	59.329	69.728	67.358	-	67.358	106.070	98.187	75.188	46.642	Continuing	Continuing
099: Army Human Resource System	-	4.855	1.469	0.289	-	0.289	0.642	1.469	1.135	1.138	Continuing	Continuing
184: Installation Support Modules	-	1.280	0.764	0.907	-	0.907	1.534	1.405	1.386	1.414	Continuing	Continuing
193: Medical Communications For Combat Casualty	-	6.279	1.465	4.611	-	4.611	1.224	0.390	-	-	-	13.969
738: AcqBiz	-	12.398	8.671	10.454	-	10.454	13.058	12.036	22.540	11.631	Continuing	Continuing
M05: Enterprise Army Workload & Performance Sys	-	0.678	-	-	-	-	-	-	-	-	-	0.678
T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION	-	-	15.426	20.847	-	20.847	22.829	19.850	9.927	4.964	Continuing	Continuing
T05: Army Business System Modernization Initiatives	-	33.839	41.933	30.250	-	30.250	66.783	63.037	40.200	27.495	Continuing	Continuing

**Note**

The FY16 funding request was reduced for \$8.257 million to account for the availability of prior year execution balances.

**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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army				Date: February 2015	
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			
B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	68.778	69.761	92.832	-	92.832
Current President's Budget	59.329	69.728	67.358	-	67.358
Total Adjustments	-9.449	-0.033	-25.474	-	-25.474
• Congressional General Reductions	-0.036	-0.033			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.334	-			
• Adjustments to Budget Years	-7.079	-	-17.217	-	-17.217
• Underexecution Adjustment	-	-	-8.257	-	-8.257

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
099: Army Human Resource System	-	4.855	1.469	0.289	-	0.289	0.642	1.469	1.135	1.138	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

## A. Mission Description and Budget Item Justification

This project funds the Personnel Transformation - Enterprise Service Bus and GoArmy Ed.

- 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 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 IPPS-A, the Army Legacy Systems, and external systems to create more streamlined systems in support of the military mission and personnel transformation goals.

- GoArmy Ed is an Army continuing Education System (ACES) program that provides the virtual gateway to request Tuition Assistance (TA) online, anytime for classroom, distance learning, and online college courses. GoArmy Ed 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. GoArmyED is used by authorized users to pursue their post secondary educational goals: Army Education Counselors to provide educational guidance; 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 is actively integrating 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.

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
<b>Title:</b> AHRs	4.855	1.469	0.289
<b>Description:</b> Funding will support continued enhancement/automation of the software functionality.			
<b>FY 2014 Accomplishments:</b> GoArmy Ed will add functionality, continue automation of manual business processes, integration of DA Civilians and a new Data Warehouse.			
<b>FY 2015 Plans:</b>			

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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				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2014	FY 2015	FY 2016
GoArmy Ed will add functionality, continue automation of manual business processes, and add a virtual self help tool.												
FY 2016 Plans: GoArmy Ed will add functionality, continue automation of manual business processes, and add a virtual self help tool.												
Accomplishments/Planned Programs Subtotals										4.855	1.469	0.289
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• GCSS-A Inc 1: SSN W00800	71.236	117.524	159.262	-	159.262	134.827	31.303	2.410	3.245	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
GoArmy Ed - 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. GoArmy Ed contractual efforts are acquired on a firm fixed price basis on existing contractual vehicles.												
E. Performance Metrics												
N/A												

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army												<b>Date:</b> February 2015			
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>						<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>			

  

<b>Product Development (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>				
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>		<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
AHRS - ECPs/SCPs/ICPs	C/FFP	Hewlit Packard : various	89.251	-		-		-		-		-		-	89.251	-
AHRS - Software Development	C/FFP	Hewlit Packard : various	51.723	-		-		-		-		-		-	51.723	-
Go Army ED	C/FFP	IBM : Various	0.585	4.855		1.469		0.289		-		0.289	Continuing	Continuing		-
<b>Subtotal</b>			141.559	4.855		1.469		0.289		-		0.289	-		-	-

  

	<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	141.559	4.855		1.469		0.289		-		0.289	-	-	-

  

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army**

**Date:** February 2015

**Appropriation/Budget Activity**

2040 / 5

### R-1 Program Element (Number/Name)

PE 0605013A / Information Technology Development

Project (Number/Name)

099 / Army Human Resource System

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Army			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 099 / <i>Army Human Resource System</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Go Army Ed Support/Enhancements	1	2013	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
184: Installation Support Modules	-	1.280	0.764	0.907	-	0.907	1.534	1.405	1.386	1.414	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note ISM budget request supports Army Data Centralization by virtualizing ISM systems.												
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 million 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 Dept 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.  Funding for CWID will continue to facilitate Coalition Force interoperability research and development. Funding for ABHIDE will continue development of the system.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Independent Verification and Validation (IV&V) Testing									0.067	0.031	-	



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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015	
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2014</b>	<b>FY 2015</b>
<b>Description:</b> Independent Verification and Validation (IV&V) Testing  <b>FY 2014 Accomplishments:</b> Required Independent Verification and Validation (IV&V) Testing  <b>FY 2015 Plans:</b> Required Independent Verification and Validation (IV&V) Testing.			
<b>Title:</b> Post-Deployment Software Support (PDSS) - Engineering Change Packages (ECPs)/System Change Packages (SCPs) <b>Description:</b> Post-Deployment Software Support (PDSS) - Engineering Change Packages (ECPs)/System Change Packages (SCPs): Develop or enhance software to meet the requirements of the soldier and installation.  <b>FY 2014 Accomplishments:</b> Planned: apply commercial off the shelf e-Signature software to existing applications to reduce soldier wait time for processing signatures from 30 minutes per transaction to under one minute. Funds are also intended to upgrade core systems hardware to improve overall efficiency. Current equipment was installed in 2002 and is inadequate for forecasted workloads.  <b>FY 2015 Plans:</b> Planned: testing of commercial off the shelf software for best fit to improve the use of wireless bar code equipment in Central Issue Facility warehouses. Current total inventory is over \$9,000.000 million; estimated savings by reducing the possibility of excess purchases is \$500.000 million.		0.313	0.155
<b>Title:</b> Army Behavioral Health Integrated Data Environment <b>Description:</b> Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry.  <b>FY 2014 Accomplishments:</b> 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.  <b>FY 2015 Plans:</b>		0.900	0.578
			0.907

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army							<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5				<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>			<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>		

  

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
<p>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.</p> <p><b><i>FY 2016 Plans:</i></b>  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>			
<b>Accomplishments/Planned Programs Subtotals</b>	1.280	0.764	0.907

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• BE4162: <i>MACOM AUTOMATION SYSTEMS (BE4162)</i>	66.773	45.954	23.467	-	23.467	33.570	46.806	61.700	73.834	Continuing	Continuing
<b>Remarks</b>											
<b>D. Acquisition Strategy</b> 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)/G-6. Current emphasis is to bring the ISM systems to functional readiness for transfer to an Army Data Center and virtualize the ISM systems.											
<b>E. Performance Metrics</b> N/A											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army													<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>					<b>Project (Number/Name)</b> 184 / <i>Installation Support Modules</i>				

  

<b>Product Development (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Army Behavioral Health Integrated Data Environment	C/TBD	various : various	3.195	0.967		0.578		0.907		-		0.907	Continuing	Continuing	-
Post-Deployment Software Support (PDSS)	C/FFP	various : various	5.562	0.313		0.186		-		-		-	-	6.061	-
Coalition Warfighter Interoperability Demonstration (CWID)	C/TBD	various : various	0.091	-		-		-		-		-	-	0.091	-
<b>Subtotal</b>			8.848	1.280		0.764		0.907		-		0.907	-	-	-

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Independent Verification and Validation (IVV) Testing	C/T&M	GDIT Corp : various	2.111	-		-		-		-		-	-	2.111	-
<b>Subtotal</b>			2.111	-		-		-		-		-	-	2.111	-

  

	<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	10.959	1.280		0.764		0.907		-		0.907	-	-	-

  

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army**

**Date:** February 2015

**Appropriation/Budget Activity**

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**R-1 Program Element (Number/Name)**

PE 0605013A / Information Technology Development

Project (Number/Name)

184 / Installation Support Modules

Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ISM Hardware Fielding																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army		Date: February 2015
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 Hardware Fielding	4	2003	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
193: Medical Communications For Combat Casualty	-	6.279	1.465	4.611	-	4.611	1.224	0.390	-	-	-	13.969
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Medical Communications for Combat Casualty Care (MC4) System provides multipliers to the medical force structure through the acquisition of information technology solutions for the deployable medical forces. 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 pre- and post-deployment screening and its associated medical surveillance. The MC4 System interfaces Force Health Protection and medical surveillance information with Army Mission Command information technology systems. 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 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 2016 Base funding in the amount of \$4.611 million will be used for the engineering effort required to provide the Defense Health Clinical Systems (DHCS) TMIP-J software on the Army platform, as well as the engineering effort for other Army unique capability. Activities include:

- Integration testing of DHCS/TMIP releases, other software systems on the MC4 baseline
- All other testing to include operational, security, acceptance of TMIP and other software products
- Research of technologies to integrate software into Army future information infrastructure, such as exploration of virtualization for MC4; and Remote Desktop Services applications
- Evaluation of hardware technology obsolescence and solutions
- Interfaces with other systems, e.g. Nett Warrior

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
<b>Title:</b> Engineering and Technical Support	3.978	0.574	2.526
<b>Description:</b> 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.			
<b>FY 2014 Accomplishments:</b>			

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army		Date: February 2015		
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 2014	FY 2015	FY 2016
Engineering and Technical Support for Planned Upgrades and System Updates, Systems Integration, and Software Support. Continued evaluation and development of virtualization, interface/integration with Common Operating Environment and Mobile Handheld NETT Warrior (PEO Soldier). Preliminary evaluation of Remote Desktop Services, Distributed Learning System, and Android handheld device for engineering architecture changes. Evaluate Health Applications Light Operations (HALO) for use on handheld device. Monitored Information Assurance (IA)/ Cybersecurity requirements, evaluated hardware/software changes resulting from IA/Cybersecurity changes, reviewed architecture to comply with requirements, recommended changes.  <b>FY 2015 Plans:</b> Continued evaluation and development of virtualization, interface/integration with Common Operating Environment.  <b>FY 2016 Plans:</b> Continued evaluation and development of virtualization, interface/integration with Common Operating Environment. Evaluation of Army standard mobile handheld device as hardware solution for MC4 mobile system requirement. Development of mobile handheld software application for MC4 application. [Effort shifted to FY17 and FY18 -- Initial engineering effort for architecture configuration in preparation for transition of efforts to NETCOM and CECOM.]				
<b>Title:</b> PMO Testing Support  <b>Description:</b> Test augmentation by outside agencies to include test efforts for DHCS/TMIP-J and other Army unique software capabilities  <b>FY 2014 Accomplishments:</b> Test augmentation to include DHCS/TMIP-J and other Army unique software capabilities by outside agencies. Testing will include next planned upgrades and development of test plans for next major test event (DHCS/TMIP-J software release).  <b>FY 2016 Plans:</b> Test augmentation for DHCS/TMIP-J and MC4 Operational Test and Evaluation by outside agencies, in support of TMIP Increment 2 Release 3 software version. Also outside agency support for documentation of testing results required for fielding decision		0.151	-	0.200
<b>Title:</b> MC4/TMIP Integration and Testing  <b>Description:</b> Development testing of DHCS/TMIP-J Increment 2 (all releases) and Increment 3; 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.  <b>FY 2014 Accomplishments:</b>		2.150	0.891	1.885

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army							<b>Date:</b> February 2015				
<b>Appropriation/Budget Activity</b> 2040 / 5				<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>			<b>Project (Number/Name)</b> 193 / <i>Medical Communications For Combat Casualty</i>				
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>							<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>		
Integrate and complete testing of DHCS/TMIP-J Increment 2 Release 2 (TMIP-J I2R2) on the MC4 baseline system; support development testing of DHCS/TMIP-J Increment 2 Release 3 (TMIP-J I2R3).											
<b>FY 2015 Plans:</b> Integrate and test DHIMS/TMIP-J Increment 2 Release 3 (TMIP-J I2R3) on the MC4 baseline system; Lab site studies with technology and scenarios.											
<b>FY 2016 Plans:</b> Complete integrate and test DHCS/TMIP-J Increment 2 Release 3 (TMIP-J I2R3) on the MC4 baseline system; integration and test of system updates for both I2R2 and any future updates for I2R3.											
<b>Accomplishments/Planned Programs Subtotals</b>							6.279	1.465	4.611		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPA SSN MA8046: OPA	19.367	22.614	24.388	-	24.388	24.054	21.578	22.464	22.885	Continuing	Continuing
• OMA PE 432612: OMA	8.500	6.177	3.427	-	3.427	3.485	3.484	2.379	2.427	Continuing	Continuing
<b>Remarks</b>											
<b>D. Acquisition Strategy</b>											
<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 Theater Medical Information Program-Joint (TMIP-J) integrated software application suite and other Army requirements. The MC4 hardware is procured as Commercial-off-the-Shelf (COTS) components. Since TMIP software is a major component of the MC4 System being developed in increments, the MC4 Program will deliver capabilities in increments, recognizing the need for future system updates and planned upgrades. The MC4 Program continues to work 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. Appropriate commercial technology enhancements (e.g. advances in operating systems, voice activated technology, etc) will be incorporated into MC4 products and systems as they become available. Each MC4 System component will undergo a full range 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.</p>											



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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army		Date: February 2015
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>
E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
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 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	-		-		-		-		-	-	8.405	-
Subtotal			8.405	-		-		-		-		-	-	8.405	-
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.															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	L3 (was Titan) : various	9.390	-		-		-		-		-	-	9.390	-
Engineering & Tech Spt/ Information Assurance (new contract)	Various	L3 : Various	0.000	3.978	Feb 2014	0.574		2.526	Jan 2016	-		2.526	Continuing	Continuing	-
Information Assurance	Various	ISEC Support : AZ	1.783	-		-		-		-		-	-	1.783	-
Subtotal			11.173	3.978		0.574		2.526		-		2.526	-	-	-
Remarks															
Information Assurance activities moved from ISEC to L3 in FY12, IA activities moved to another appropriation FY13; FY14 new competitive contract award; FY16 new competitive award contract planned.															
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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/JTIC : various	6.385	0.151		-		0.200		-		0.200	Continuing	Continuing	Continuing
MC4/TMIP System Engineering	C/T&M	L3 Communications : Frederick MD	7.889	-		-		-		-		-	-	7.889	-

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army												<b>Date:</b> February 2015			
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> 193 / <i>Medical Communications For Combat Casualty</i>					

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>				
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
MC4/TMIP System Engineering	Various	John Hopkins University (JHU) Applied Physics Lab : MD	32.124	-		-		-		-		-		-	32.124	-
MC4/TMIP System Engineering (new contract)	C/T&M	L3 Communications : Frederick MD	0.000	2.150	Feb 2014	0.891	Feb 2015	1.885	Jan 2016	-		1.885		Continuing	Continuing	-
<b>Subtotal</b>			46.398	2.301		0.891		2.085		-		2.085		-	-	-

  

<b>Remarks</b> 4QFY13 new competitive contract was awarded (base with option years). PMO Testing Spt is provided by other Government agencies.																
			<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Project Cost Totals</b>			65.976	6.279		1.465		4.611		-		4.611	-	-	-	
<b>Remarks</b>																

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																	Date: February 2015															
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)														
2040 / 5										PE 0605013A / Information Technology Development								193 / Medical Communications For Combat Casualty														
Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
	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				
Planned Upgrades	TMIP-J additional capability upgrades																															
MC4/TMIP-J I2R2 MOT&E																																
(1) MC4/TMIP-J I2R2 Fielding Decision	1																															
MC4 Development/IntegrationTesting for TMIP-J I2R3																																
MC4/TMIP-J I2R3 MOT&E																																
(2) MC4/TMIP-J I2R3 Fielding Decision													2																			
System Updates	System updates approximately 1Q and 3Q each FY																															
Engineering and Technical Support	Engineering and Technical Support																															

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army			Date: February 2015
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	

## Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Planned Upgrades	1	2007	1	2016
MC4/TMIP-J I2R2 MOT&E	3	2013	1	2014
MC4/TMIP-J I2R2 Fielding Decision	1	2014	1	2014
MC4 Development/IntegrationTesting for TMIP-J I2R3	1	2014	3	2015
MC4/TMIP-J I2R3 MOT&E	3	2015	1	2016
MC4/TMIP-J I2R3 Fielding Decision	2	2016	2	2016
System Updates	1	2007	1	2019
Engineering and Technical Support	1	2007	1	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
738: AcqBiz	-	12.398	8.671	10.454	-	10.454	13.058	12.036	22.540	11.631	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification PM AcqBusiness establishes and sustains consistent, efficient, and effective information technology (IT) solutions for all levels of the Army Acquisition Domain to enable powerful decisions using trusted and authoritative data. Whenever possible, PM AcqBusiness provides access to external enterprise tools and services from other business domains, Army, OSD and DISA and does not duplicate those capabilities. PM 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. PM AcqBusiness provides an environment that enables centralized, role-based access to trusted and authoritative data from disparate Acquisition Domain data sources. In addition, PM AcqBusiness provides a framework for information providers to publish their data and provide their services to authorized users.  The program also resources development requirements for the U.S. Army Accessioning Integrated Automation Architecture which provides the Information Technology solution necessary to accomplish the Army's Accessioning mission.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Program Management									1.731	1.214	1.582	
Description: This effort provides program management in support of the AcqBusiness Portfolio.												
FY 2014 Accomplishments: Program Management												
FY 2015 Plans: Program Management												
FY 2016 Plans: Program Management												
Title: Design, Development, and Test									10.667	7.457	8.872	
Description: This effort supports the ultimate integration of the AcqBusiness Portfolio.												

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army								Date: February 2015			
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 2014	FY 2015	FY 2016	
FY 2014 Accomplishments: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
FY 2015 Plans: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
FY 2016 Plans: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
Accomplishments/Planned Programs Subtotals								12.398	8.671	10.454	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• OMA: OMA APE 432615	8.141	10.676	10.889	-	10.889	10.579	10.609	16.196	11.482	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
<p>PM AcqBusiness was established to acquire a centrally managed and funded suite of standard net-centric business capabilities to provide Army acquisition practitioners the data visibility necessary to optimize the acquisition of supplies, services, and materiel for the Warfighter. PM AcqBusiness is using an evolutionary acquisition strategy, incorporating the use of COTS hardware and software, along with custom-developed software, in order to realize benefits early and reduce risk. The AcqBusiness acquisition approach embraces the tenets of Subtitle III of Title 40, U.S.C. (formerly the Clinger-Cohen Act of 1996).</p> <p>PM AcqBusiness leverages existing DoD and Army enterprise capabilities to fulfill Acquisition Domain business needs whenever possible. When no Army enterprise systems satisfy approved requirements, priority is given to existing acquisition business systems or services where they are scalable and in conformance with technical architecture standards. In the event neither of these options is available to satisfy a business need, capabilities are acquired as commercial off-the-shelf (COTS) products. PM AcqBusiness maximizes use of COTS technology by implementing an architecture and infrastructure based on services and virtualization. If there are no available COTS solutions, PM AcqBusiness will develop the capability, leveraging an incremental approach to enable: (1) consistent and phased definition of requirements, (2) mature technologies, and (3) collaboration among user, tester and developer.</p> <p>As such, PM AcqBusiness is:</p> <ul style="list-style-type: none"><li>- collaborating with the ASA(ALT) community to facilitate Business Process Reengineering in advance of development of AcqBusiness capabilities.</li><li>- encouraging the purchase of commercial products and innovations from private industry.</li></ul>											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 738 / <i>AcqBiz</i>
<ul style="list-style-type: none"><li>- involving potential suppliers early in the requirements generation process.</li><li>- employing outsourcing wherever possible, and</li><li>- acquiring AcqBusiness capabilities in interoperable modules, minimizing the time required to deliver new capabilities to users.</li></ul> <p><b><u>E. Performance Metrics</u></b> N/A</p>		



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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army													Date: February 2015		
Appropriation/Budget Activity				R-1 Program Element (Number/Name)						Project (Number/Name)					
2040 / 5				PE 0605013A / Information Technology Development						738 / AcqBiz					
<b>Management Services (\$ in Millions)</b>				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Various	Government : various	10.966	1.767		1.211		1.582		-		1.582	Continuing	Continuing	Continuing
<b>Subtotal</b>			10.966	1.767		1.211		1.582		-		1.582	-	-	-
<b>Product Development (\$ in Millions)</b>				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Various	Booz, Allen and Hamilton : Springfield	61.105	10.631		7.460		8.872		-		8.872	Continuing	Continuing	Continuing
<b>Subtotal</b>			61.105	10.631		7.460		8.872		-		8.872	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			72.071	12.398		8.671		10.454		-		10.454	-	-	-
<b>Remarks</b>															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army														Date: February 2015																																							
Appropriation/Budget Activity 2040 / 5														R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development														Project (Number/Name) 738 / AcqBiz																									
Event Name														FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020															
														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														Integration & Benefits Assessments																																							
(1) Major or Minor Release FY14																																																					
(2) Major or Minor Release FY15																																						2															
(3) Major or Minor Release FY16																		3																																			
(4) Major or Minor Release FY17																		4																																			
(5) Major or Minor Release FY18																						5																															
(6) Major or Minor Release FY19																						6																															
Sustainment														Continuous																																							

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Army			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> 738 / <i>AcqBiz</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Technical Prototyping & Component Integration	1	2006	4	2020
Major or Minor Release FY14	4	2014	4	2014
Major or Minor Release FY15	4	2015	4	2015
Major or Minor Release FY16	4	2016	4	2016
Major or Minor Release FY17	4	2017	4	2017
Major or Minor Release FY18	4	2018	4	2018
Major or Minor Release FY19	4	2019	4	2019
Sustainment	1	2006	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development				Project (Number/Name) M05 / Enterprise Army Workload & Performance Sys			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
M05: Enterprise Army Workload & Performance Sys	-	0.678	-	-	-	-	-	-	-	-	-	0.678
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The General Fund Business Enterprise System (GFEBS) is a Major Automated Information System program and is currently in the sustainment phase. It followed the DoD Business Enterprise Architecture which is aligned to the mandated Federal Enterprise Architecture. GFEBS was implemented to fulfill the needs and comply with the Federal Financial Management Improvement Act, The Chief Financial Officers Act of 1990, the Government Performance and Results Act of 1993, the Government Management Reform Act of 1994, and the Clinger-Cohen Act of 1996 and to fulfill the stated mission of the Assistant Secretary of the Army for Financial Management and Comptroller. GFEBS replaced, in full or in part, financial systems operating in excess of 40 years including the Standard Finance Systems and other costly feeder systems which do not allow the Department of Defense or the U.S. government to achieve an unqualified audit opinion on its financial statements. GFEBS is used to administer the Army's General Fund. GFEBS was developed using a commercial off-the-shelf Enterprise Resource Planning system that is certified by the Chief, Financial Officer Council and provides six core financial functions. GFEBS allows tactical commanders to make informed decisions on a virtually real time system.

On 1 October 2008, GFEBS deployed to Wave 1 end users at Fort Jackson Garrison, Defense Finance Accounting Service (DFAS) Indianapolis, Indiana and several other organizations. On 1 April 2009, GFEBS deployed to Wave 2 users at Fort Benning, Fort Stewart, DFAS Rome and several other organizations. Wave 3 deployed in October FY10, Wave 4 in January of FY11, Wave 5 in April 2011, Wave 6 in July 2011, Wave 7 in October 2011, Wave 8A in April 2012 and the final Wave 8B in July 2012. GFEBS is fielded to 53,000 trained end users. Each fielded release subsumes the previous release keeping all deployed sites executing under the same GFEBS release. The Full Deployment Decision was received by the Milestone Decision Authority on 24 June 2011 and Full Deployment was achieved on 1 July 2012. Information Technology Development Project M05 provided GFEBS the ability to develop and build reports to meet auditability mandates and to accomplish efforts which enhance the GFEBS system with new reports and interfaces requiring technology development. It provided RDT&E funding to support evolutionary delivery of emerging capabilities.

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
<b>Title:</b> System Development	0.678	-	-
<b>Description:</b> Software and architecture development			
<b>FY 2014 Accomplishments:</b> Product Software and Architecture Development			
<b>Accomplishments/Planned Programs Subtotals</b>	0.678	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605013A / <i>Information Technology Development</i>	Project (Number/Name) M05 / <i>Enterprise Army Workload &amp; Performance Sys</i>
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 2016 Army												Date: February 2015				
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development						Project (Number/Name) M05 / Enterprise Army Workload & Performance Sys						
<b>Product Development (\$ in Millions)</b>				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Award Date	Cost To Complete	Total Cost	Target Value of Contract
System Development	TBD	Software and architecture development : TBD	0.000	0.678		-		-		-		-		-	0.678	-
<b>Subtotal</b>			0.000	0.678		-		-		-		-		-	0.678	-
<b>Support (\$ in Millions)</b>				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Award Date	Cost To Complete	Total Cost	Target Value of Contract
various	Various	various : various	0.733	-		-		-		-		-		-	0.733	-
<b>Subtotal</b>			0.733	-		-		-		-		-		-	0.733	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>			0.733	0.678		-		-		-		-		-	1.411	-
<b>Remarks</b>																

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**Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army**

**Date:** February 2015

**Appropriation/Budget Activity**

2040 / 5

**R-1 Program Element (Number/Name)**

PE 0605013A / Information Technology Development

Project (Number/Name)

## M05 / Enterprise Army Workload & Performance Sys

Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Software Development	NA																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development	Project (Number/Name) M05 / Enterprise Army Workload & Performance Sys

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Development	1	2014	4	2014



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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION	-	-	15.426	20.847	-	20.847	22.829	19.850	9.927	4.964	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

## A. Mission Description and Budget Item Justification

US Military Entrance Processing Command Integrated Resource System (MIRS) provides automation and communications capability to meet peacetime, mobilization and wartime military manpower accession mission for the Armed Services. MIRS interfaces with recruiting capabilities for the services, incorporating the concept of electronic data sharing using standard DoD data elements between USMEPCOM and all Armed Services recruiting commands. This project includes Computerized Adaptive Testing-Armed Services Vocational Aptitude Battery (CAT-ASVAB), automated Armed Services Vocational Aptitude Battery is given to determine applicants' mental abilities. Data Services mission consists of automatic data processing in support of USMEPCOM, the Selective Service System (SSS) and other external agencies for both peacetime and mobilization requirements. MIRS directly supports mobilization in the event of a military draft, through electronic links with the SSS and its ability to process and ship. USMEPCOM/MIRS is the only DoD organization legally authorized to collect civilian, medical and testing data for purposes of processing into military services and is the only DoD joint support system used to enforce congressional, DoD and Armed Forces qualification criteria for enlistment. USMEPCOM has established interfaces with US Citizenship and Immigration Services to verify citizenship status for applicants of military service to screen out undesired or security threat and Federal Bureau of Investigation for background screening using digital fingerprints to eliminate people with criminal records from entering military service. USMEPCOM's IT sustainment effort will maintain MIRS and the associated network certification and accreditation until the end of system lifecycle. MIRS was scheduled to be replaced by the Virtual Interactive Processing System (VIPS). VIPS program cancellation has placed USMEPCOMs legacy IT infrastructure at high risk. The resultant system leaves a non-compliant and non-networkworthy accession system with processing gaps that need to be addressed for secure, compliant, sustainable, and reliable capabilities to meet DoD and Service requirements. USMEPCOM must continue toward security and data integrity regulatory/security compliance (PII and HIPAA) or lose Authority to Operate.

Customers/beneficiaries of this investment include the Accessions Community of Interest (ACOI) including components of the Army, Navy, Air Force, Marines, Coast Guard, USMEPCOM and OSD (P&R).

Stakeholders include: All Uniformed Services, Asst Sec of Defense (Health Affairs), Defense Transportation Mgmt Office, USD P&R, USD Intel, Defense Manpower Data Center and Department of Veterans Affairs.

Requested funding mitigates inefficient system sustainability and scalability through an update of the applications underlying database, operating system and middleware software. The current legacy system requires time consuming and expensive efforts to make operational changes (even minor ones) to military accessions processing to meet DoD and individual Services requirements. MIRS operational processes exist in a system where business rules and workflow are hard coded throughout the system. Any changes require extensive review and analysis of the code to see what is impacted before a change can be made, then extensive testing afterwards to make sure it works correctly throughout the accession process. Currently there are over 600 Problem Reports (PR) and System Change Requests (SCRs) pending.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015	
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMATION - IT MODERNIZATION</i>	
Requested funding also provides for a follow-on acquisition plan that will be informed by the recent DCMO initiated Technical Demonstration. The acquisition will provide future enhancements and additional capabilities like those to be proven through the currently evolving Tech Demo. These efforts will culminate in new USMEPCOM business process vision of an anytime, anywhere accession processing capability.			
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2014</b>	<b>FY 2015</b>
<b>Title:</b> Phase 3 Application update <b>Description:</b> Initiate update of MIRS and associated Applicant Processing applications to secure applicant data <b>FY 2015 Plans:</b> Initiate update of MIRS and associated Applicant Processing applications to secure applicant data <b>FY 2016 Plans:</b> Initiate update of MIRS and associated Applicant Processing applications to secure applicant data.		-	8.952
<b>Title:</b> Project Support <b>Description:</b> Funding will support Information Technology <b>FY 2015 Plans:</b> Update of MIRS and associated Applicant Processing Applications to facilitate DoDAF 2.0 and BEA compliant architecture. <b>FY 2016 Plans:</b> Update of MIRS and associated Applicant Processing Applications to facilitate DoDAF 2.0 and BEA compliant architecture.		-	6.474
<b>Accomplishments/Planned Programs Subtotals</b>		-	15.426
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
N/A			
<b>E. Performance Metrics</b>			
N/A			

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army													<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> T04 / <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>					

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Contractor PM Support	Various	TBD : TBD	0.000	-		15.426		-		-		-	-	15.426	-
<b>Subtotal</b>			0.000	-		15.426		-		-		-	-	15.426	-

  

<b>Product Development (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
MEPCOM Jnt Comp Ctr(JCC) & Integ Resource Sys(IRR)	C/IDIQ	various : various	0.000	-		-		20.847	Nov 2015	-		20.847	Continuing	Continuing	-
<b>Subtotal</b>			0.000	-		-		20.847		-		20.847	-	-	-

  

<b>Remarks</b> MEPCOM Jnt Comp Ctr(JCC) & Integ Resource Sys(IRR). This RDT&E will be used by USMEPCOM for continued project transformation support of VIPS.															
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			<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			0.000	-		15.426		20.847		-		20.847	-	-	-

  

<b>Remarks</b>															
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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015												
Appropriation/Budget Activity 2040 / 5								R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development								Project (Number/Name) T04 / USMEPCOM TRANSFORMTION - IT MODERNIZATION												
Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PRODUCT DEVELOPMENT																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605013A / Information Technology Development	Project (Number/Name) T04 / USMEPCOM TRANSFORMTION - IT MODERNIZATION

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
PRODUCT DEVELOPMENT	1	2015	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
T05: Army Business System Modernization Initiatives	-	33.839	41.933	30.250	-	30.250	66.783	63.037	40.200	27.495	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

## A. Mission Description and Budget Item Justification

The Army Contract Writing System (ACWS) is the Army's strategy for a single enterprise-wide contract writing and management solution that will meet the Army current critical functional contract writing requirements and expand to meet future functional needs. The Army's goal is to streamline Acquisition, Technology and Logistics (AT&L) end-to-end business processes; reduce operating, maintenance and support costs; minimize the number interfaces; support financial auditability; and promote and improve efficiencies when integrating with existing Enterprise Resource Planning (ERPs) solutions. This is consistent with Undersecretary of Defense, Acquisition, Technology and Logistics Memorandum; Department of Defense (DoD) Functional Contract Writing and Administration, dated 21 October 2011, which directed the Services to develop a new contract writing system. Accordingly, Army received an OSD Deputy Chief Management Officer (DCMO) validated problem statement and the Army Acquisition Executive approved the ACWS Materiel Development Decision (MDD) on 29 Oct 2014. Funds are to perform all requisite activities to concurrently develop pre-Milestone A documentation and perform pre-solicitation/source selection activities expected of an ACAT III program.

Commander's Risk Reduction Dashboard (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. The dashboard will be able to generate multiple reports, including one that highlights just Soldiers with risk factors within a certain time period; another that focuses only on newly assigned Soldiers; and another that allows commanders to look at a specific Soldier's history with at-risk behaviors

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 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.

Design, development, acquisition, integration and fielding of an enterprise Army Training Information System (ATIS) that provides a common operational picture (COP) of the training environment through integrated, interoperable training development, management, scheduling, and delivery capabilities. Existing training information

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015	
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	
<p>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 TIS that are not part of an enterprise, thus inhibiting visualization, understanding, and informed decision making.</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.</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 tmanage 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 Army Human Resources Command (HRC) has RDTE for core automation support and to upgrade those systems not being subsumed by IPPS-A, to include the Civilian Personnel Online - Portal (CPOL-Portal), Fully Automated System for Classification (FASCLASS) and Overseas Entitlement Tracker (OET).</p>			
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2014</b>	<b>FY 2015</b>
<b>Title:</b> Army Contract Writing System (ACWS)  <b>Description:</b> ACWS is the Army strategy for a single enterprise-wide contract writing and management solution that will meet the Army's current critical functional contract writing requirement and can expand to meet future functional needs. The Army's goal is to streamline Acquisition, Technology and Logistics (AL&T) end-to-end business processes; reduce operating, maintenance and support costs; decrease, and where applicable, mitigate the number of existing and future interfaces.		13.316	24.065
<b>FY 2014 Accomplishments:</b> FY14 funds used to plan risk reduction activities, solicitation preparation and Milestone A documentation.			
<b>FY 2015 Plans:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army			<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>		<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>			<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
FY15 funds will be used to develop Army Contract Writing System capabilities, perform development efforts and system integration.					
<b>FY 2016 Plans:</b> FY16 funds will be used to continue development activities, focus on performing fit-gap analysis, blueprinting and business process reengineering activities, analysis of cyber security risks, interface designs with 14 unique key system partners and stakeholders.					
<b>Title:</b> Army Training Information System (ATIS) <b>Description:</b> 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. <b>FY 2016 Plans:</b> RDTE funding will be used to complete the Army Cost Estimate, Complete Capability Development Document and enter the Engineering, Manufacturing & Development phase of development of ATIS.			-	-	11.035
<b>Title:</b> Commanders Risk Reduction Dashboard (CRRD) <b>Description:</b> 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. <b>FY 2016 Plans:</b> Develop database and system capabilities, perform design efforts and preparatory development.			-	-	1.000
<b>Title:</b> The Army Safety and Health Management System (ASHMS) <b>Description:</b> 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			-	-	4.825



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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army		Date: February 2015		
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		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
(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. .				
FY 2016 Plans: FY16 funds are being used to continue development of products and tools to modernize mishap reporting through the addition of an Initial Notification capability for Commanders, offline capability for mishap reporting in low/no bandwidth areas, and mobile application capabilities as well as Human Factors risk management.				
Title: Army Career Tracker (ACT) Description: Provide competency management tool to manage leader attributes characteristics of the individual that shape the motivations for actions and bearing, and how thinking affects decisions and interactions with others; enhancement of counseling capabilities linked to the Individual Development Plan and current Counselor functions to provide greater functions and access to specific information by various counselors in support of Army Transition; enhance sponsorship functions to provide ease of execution and enhanced workflow between the many sponsorship Stakeholders		-	-	0.802
FY 2016 Plans: Provide competency management tool to manage leader attributes characteristics of the individual that shape the motivations for actions and bearing, and how thinking affects decisions and interactions with others; enhancement of counseling capabilities linked to the Individual Development Plan and current Counselor functions to provide greater functions and access to specific information by various counselors in support of Army Transition; enhance sponsorship functions to provide ease of execution and enhanced workflow between the many sponsorship Stakeholders.				
Title: Army Business System Modernization Initiatives, CPOL & iPERMS 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		20.523	17.868	7.018

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015	
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2014</b>	<b>FY 2015</b>
<p>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> <p>The Fully Automated System for Classification (FASCLASS) is a centralized, web-based system that maintains civilian position descriptions and position related information across Department of the Army. It provides classifiers and managers capability to create, edit, and verify position descriptions. Also it offers robust search, report generation, and lookup &amp; support capabilities.</p> <p>The Overseas Entitlement Tracker (OET) provides the capability to accurately track Living Quarters Allowance (LQA). LQA is provided to reimburse employees for suitable, adequate living quarters at posts where the U.S. Government does not provide quarters. OET also tracks these other overseas entitlements for employees: Advance Pay, Danger Pay, Imminent Danger Pay, Foreign Differential, Home Leave, Post Allowance, Separation Maintenance Allowance, and Temporary Quarters Subsistence Allowance.</p> <p><b>FY 2014 Accomplishments:</b></p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
Modernization requirements will add new capabilities to legacy IT systems that support human resource functions such as organization and position management, training, and employment. Will continue deployment and final fielding of the enterprise-level PPB BOS application throughout HQDA and the transfer of budget data to the Army's financial enterprise resource system, the General Fund Enterprise Business System. Will field the full operating capability of the Army Mapper system, which is the Army Geospatial data base of record and the HQDA repository for all Installation & Environment related geo-spatial data systems.			
<b>FY 2015 Plans:</b> Modernization requirements will add new capabilities to legacy IT systems that support human resource functions such as organization and position management, training, and employment. Will continue deployment and final fielding of the enterprise-level PPB BOS application throughout HQDA and the transfer of budget data to the Army's financial enterprise resource system, the General Fund Enterprise Business System. Will field the full operating capability of the Army Mapper system, which is the Army Geospatial data base of record and the HQDA repository for all Installation & Environment related geo-spatial data systems.			
<b>FY 2016 Plans:</b> Modernization requirements will add new capabilities to legacy IT systems that support human resource functions such as organization and position management, training, and employment. Will develop technologies for Army Installation Support, PM Personnel Employee Records Management System, HRC Core Automation Support, Records Management and Army Civilian Personnel Operations.			
Army Civilian Human Resources Agency will deliver additional capability increments of OET in FY 2016, through FY 2019. The FY 2016 increment consists of the initial set of Civilian Employee Interface functions. The FY 2017 increment delivers enhancements to the Civilian Employee Interface. The FY 2018 and FY 2019 increments include electronic files in place of paper, embed additional calculations, auto-generate additional notifications, online document review, and automate flow of data to Defense Civilian Personnel Data System.			
<b>Accomplishments/Planned Programs Subtotals</b>	33.839	41.933	30.250

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

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• SSN BE4162: MACOM AUTOMATION: Army Contract Writing System (ACWS)	-	3.654	-	-	-	1.000	5.002	9.027	5.927	-	24.610

**Remarks**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>
<p><b><u>D. Acquisition Strategy</u></b></p> <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 Soldier Management System (SMS), Commander's Risk Reduction Dashboard, the Army Strategic Readiness Update (ASRU), Law Enforcement Advisory Program (LEAP), the Laboratory Information Management System (LIMS), 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&amp;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 FY15. The CRC will be competing a new contract vehicle to support the development of products and tools from midyear FY15 through FY19.</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> <p><b><u>E. Performance Metrics</u></b></p> <p>N/A</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
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 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	-		-		-		-		-	-	16.570	-
PPBOS PRODUCT DEVELOPMENT	MIPR	OAA : FORT BELVOIR, VA	5.680	17.550		15.651		-		-		-	-	38.881	-
Product Development for ACWS	C/IDIQ	Development : Alexandria, VA	0.000	16.289		26.282		5.570	Mar 2016	-		5.570	Continuing	Continuing	Continuing
ATIS	C/IDIQ	tbd : TBD	0.000	-		-		11.035	Nov 2015	-		11.035	Continuing	Continuing	-
CRRD	C/IDIQ	TBD : TBD	0.000	-		-		1.000	Nov 2015	-		1.000	Continuing	Continuing	-
The Army Safety and Health Management System	C/IDIQ	TBD : TBD	0.000	-		-		4.825	Nov 2015	-		4.825	Continuing	Continuing	-
Army Career Tracker	C/FFP	TBD : TBD	0.000	-		-		0.802	Nov 2015	-		0.802	Continuing	Continuing	-
Army Business System Modernization Initiatives	C/IDIQ	TBD : TBD	0.000	-		-		7.018	Oct 2015	-		7.018	Continuing	Continuing	-
Subtotal			22.250	33.839		41.933		30.250		-		30.250	-	-	-
Remarks															
Army Contract Writing System: The Under Secretary of Defense, Acquisition, Technology and Logistics directed that the Standard Procurement System (SPS) be decommissioned by FY17. In order for the Army to meet appropriate legislative mandates, the new capability will provide improved functionality in general contract writing and contract administration while seamlessly operating in the NIPR, SIPR, CONUS, OCONUS, and in low/no bandwidth environments. In addition, the replacement capability will produce data that is trackable and auditable by the Army designated finance account system(s) and will be in compliance with the Secretary of Defense's mandate for implementing internal controls to facilitate full financial audit readiness and accountability.															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	-		-		-		-		-	-	15.357	-

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army												<b>Date:</b> February 2015			
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>				<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>					

  

<b>Support (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
HRC SYSTEMS KEYSTONE, IPERMS	MIPR	HRC : FORT KNOX, KY	0.385	-		-		-		-		-	-	0.385	-
Law Enforcement Advisory Program(LEAP)	MIPR	ACC/NCR : Quantico, VA	2.677	-		-		-		-		-	Continuing	Continuing	-
ARMY MAPPER	C/T&M	TBD : TBD	0.220	-		-		-		-		-	-	0.220	-
<b>Subtotal</b>			18.639	-		-		-		-		-	-	-	-

  

	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	40.889	33.839	41.933	30.250	-	30.250	-	-	-

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015																
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														
Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
	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				
PPB BOS Product Development	PPB BOS																															
ACWS Product Development									ACWS																							
ATIS Product Development																	ATIS															
CRRD Product Development																	CRRD															
ASHMS Product Development																	ASHMS															
ACT Prduct Development																	ACT															
Army Business System Modernization																	ABSM															

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Army			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605013A / <i>Information Technology Development</i>	<b>Project (Number/Name)</b> T05 / <i>Army Business System Modernization Initiatives</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
PPB BOS Product Development	1	2014	4	2015
ACWS Product Development	1	2014	4	2018
ATIS Product Development	1	2016	1	2020
CRRD Product Development	1	2016	2	2017
ASHMS Product Development	1	2016	2	2018
ACT Prduct Development	1	2016	4	2018
Army Business System Modernization	1	2016	4	2020