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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2020 Air Force **Date:** February 2019

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>					<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	0.000	0.000	46.789	0.000	46.789	57.016	55.151	50.064	50.965	Continuing	Continuing
675178: <i>DEAMS Continuous Capability Development</i>	-	0.000	0.000	14.895	0.000	14.895	57.016	55.151	50.064	50.965	Continuing	Continuing
675179: <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	-	0.000	0.000	31.894	0.000	31.894	0.000	0.000	0.000	0.000	0.000	31.894

## **Note**

In FY20, PE 0901554F, DEAMS, changed from PE 0901538F, Financial Management Information Systems Development.

In FY20, Project 675178, DEAMS Continuous Capability Development, changed from Defense Enterprise Accounting Management System Increment 2 (DEAMS Inc. 2).

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

This program element develops upgrades to existing financial management systems. These upgrades are required to comply with auditability and transparency requirements as well as efficiencies in processing financial transactions. This program element also supports studies and analysis to improve future program planning and execution.

There are two projects within this program element: Defense Enterprise Accounting and Management System (DEAMS) Increment 1 (Inc 1), and DEAMS Continuous Capability Development (CCD), formerly known as DEAMS Increment 2. Project 675178: DEAMS Continuous Capability Development (CCD) started in FY19 under PE 0901538F. Project 675179: DEAMS Increment 1 was under PE 0901538F through FY19.

The Defense Enterprise Accounting and Management System (DEAMS) is a commercial-off-the-shelf (COTS), Oracle-based software implementation effort that will provide an auditable, modern accounting and finance system. The DEAMS implementation will replace many existing accounting and finance legacy systems and will provide core funds execution management functions consistent with financial management laws, regulations and policy, general ledger, funds management, payments, receivables, cost and revenues, and fiduciary reporting. DEAMS is compliant with the Clinger-Cohen Act, Business Enterprise Architecture (BEA), and integrates into Global Combat Support System-Air Force (GCSS-AF). DEAMS is a key enabler and provides the core accounting system for all enterprise business system development necessary to sustain financial statement auditability.

DEAMS enhancements will be governed in Capability Support Phase after Increment 1 Full Deployment (FD).

DEAMS is the Air Force's target core accounting and financial management solution and is a key component of the long-term business process improvements needed to sustain auditability and correct financial system weaknesses.

Activities also include studies and analysis to support both current program planning and execution and future program planning.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force				Date: February 2019		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0901554F I Defense Enterprise Acntng and Mgt Sys (DEAMS)				
<p>This program element may include necessary civilian pay expenses required to manage, execute, and deliver financial management information systems capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.</p> <p>As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.</p> <p>This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.</p>						
B. Program Change Summary (\$ in Millions)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget		0.000	0.000	0.000	0.000	0.000
Current President's Budget		0.000	0.000	46.789	0.000	46.789
Total Adjustments		0.000	0.000	46.789	0.000	46.789
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	46.789	0.000	46.789

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Air Force										Date: February 2019		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675178 / DEAMS Continuous Capability Development			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
675178: DEAMS Continuous Capability Development	-	0.000	0.000	14.895	0.000	14.895	57.016	55.151	50.064	50.965	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

In FY20, PE 0901554F, DEAMS, changed from PE 0901538F, Financial Management Information Systems Development.

In FY20, Project 675178, DEAMS Continuous Capability Development, changed from Defense Enterprise Accounting Management System Increment 2 (DEAMS Inc. 2).

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

Defense Enterprise Accounting and Management System (DEAMS) is a commercial-off-the-shelf (COTS), Oracle-based software implementation effort that will provide an auditable, modern accounting and finance system. DEAMS is a Joint United States Air Force (USAF) and United States Transportation Command (USTRANSCOM) Enterprise Resource Planning (ERP) Program that will replace many existing accounting and finance legacy systems and will provide core funds execution management functions consistent with financial management laws, regulations and policy, general ledger, funds management, payments, receivables, cost and revenues, and fiduciary reporting. DEAMS is compliant with the Clinger-Cohen Act, Business Enterprise Architecture (BEA), and integrates into Global Combat Support System-Air Force (GCSS-AF). When fully deployed, DEAMS will be key to Air Force compliance with the Financial Improvement and Audit Readiness (FIAR) requirement in the 2010 NDAA.

The remaining DEAMS Increment 1 development activities will be completed using agile software development methodologies under a project called DEAMS Rapid Acquisition. In FY19, DEAMS CCD was added to the FY18 NDAA, as a Section 873 Agile Pilot program, Rapid Acquisition will also be a stepping stone in the implementation of agile development methodologies for DEAMS Continuous Capability Development (CCD). Under Rapid Acquisition, the program contracted with a new System Integrator (SI) to sustain the DEAMS R12 baseline, develop the remaining Inc. 1 requirements (disbursing, reporting, Governance/Risk/Compliance (GRC)), and provide continual enhancement and improvement to the deployed system, utilizing agile software development.

DEAMS CCD capabilities will be implemented utilizing an agile software development methodology. Requirements for CCD include, but are not limited to, development of the core accounting and reporting functionality necessary to enable deployment of modernized personnel, contracting, and logistics systems. Additional capabilities under requirements definition include complex acquisition management, reimbursable cost accounting, military entitlement accounting, advanced accounting controls and audit sustainment, treasury cash accountability, and management accounting and billing for revolving funds. Included in these capabilities are selected requirements deferred from Increment 1.

Requirements will be addressed through an iterative process of sprint development cycles, where usable capability is produced after every sprint. The PMO construct along with application of agile principles allows the program to properly plan system requirements, deliver early capability to the end users, achieve early return on investment of taxpayer dollars, division of risk, reduce waste, effectively respond to change, and continuously improve our processes.

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Additional user deployments enabled by future increment capabilities include acquisition program executive offices; ranges, laboratories and test centers; and air logistics centers. CCD adds an additional 4,600 users to Inc 1 baseline for a total of 21,500 users.						
This funding request will support development of the Business Capability Acquisition Cycle (BCAC) compliant information artifacts and plans necessary to support the program, Capability Process Maps (CPMs) for each business capability, and mapping of financial management processes the capability will require (Blueprinting). Additionally, the funding will support acquisition strategy planning by early identification/definition of Information Technology Functional Requirements (ITFRs) and Information Assets (IA), Acquisition Strategy Determination, Solution Approach, and Request for Proposal (RFP) preparation.						
Funds may be used to develop, acquire, and integrate hardware and software solutions to provide improvements and enhancements in support of the development of the DEAMS capabilities.						
Activities also include studies and analysis to support both current program planning and execution and future program planning.						
This program element may include necessary civilian pay expenses required to manage, execute, and deliver financial management information systems capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.						
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: DEAMS Continuous Capability Development (CCD) Product Development		0.000	0.000	14.895	0.000	14.895
Description: DEAMS CCD system capabilities will be developed and enhanced through completion of development sprint cycles in accordance with an agile software development strategy. DEAMS expects to leverage lessons learned during the Increment I rapid acquisition to develop a T&E process that is more complimentary to the Agile software development process. Development activities include requirements analysis, design, build, test, data conversion, cut-over from legacy systems, and the resolution of deficiency reports and defects. Also includes the support services (product development support, solution architecture support, configuration control and management support, quality assurance support, acquisition strategy support, test planning support, and cybersecurity support) of various Advisory and Assistance Services (A&ASs), Program Management Administration (PMA) activities, and Federally Funded Research and Development Centers (FFRDCs).						
FY 2019 Plans:						
- Will begin Technical support services for requirements definition and analysis and System Integrator request for proposal (RFP) development						
- Will begin Acquisition planning and support for CCD system capabilities to include but not limited to:						

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
<div>- Acquisition Contracting Interfaces</div> <div>- Foreign Military Sales (FMS)</div> <div>- Budget Distribution Interface</div> <div>- Conversion interface with System Integrator</div> <div>FY 2020 Base Plans:</div> <div>- Continue Technical support services for requirements definition and analysis and System Integrator request for proposal (RFP) development</div> <div>- Continue Acquisition planning and support for first set of agile development epics supporting Continuous Capability Development (CCD) system capabilities to include but not limited to:</div> <div>- Ad Hoc Cost Analysis Reporting</div> <div>- Additional Business Intelligence (BI) functionality</div> <div>- Base Supply Expenditures General Funds only</div> <div>- Accounting for base supply purchases</div> <div>- Treasury Direct Phase 2 &amp; 3</div> <div>- Implements Treasury Direct collections</div> <div>- Civilian Pay Cost Accounting</div> <div>- Record Civilian Pay detail for accruals and expenditure accounting</div> <div>- Contract Data Standards</div> <div>- Implements Acquisition data standards for contract writing systems</div> <div>- Major Acquisition/Reimbursable Program Systems</div> <div>- Interfaces/Capabilities necessary for major acquisition programs reporting and Complex contract obligation and pre-validation</div> <div>- Job Order Cost Accounting</div> <div>- Interface enhancement of Job Order Cost Accounting System (JOCAS) II with Standard Financial Information Structure (SFIS) upgrade</div> <div>- Initiate test planning for Agile acquisition</div> <div>FY 2020 OCO Plans:</div> <div>N/A</div> <div>FY 2019 to FY 2020 Increase/Decrease Statement:</div>						

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Air Force				<b>Date:</b> February 2019	
<b>Appropriation/Budget Activity</b> 3600 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>		<b>Project (Number/Name)</b> 675178 / <i>DEAMS Continuous Capability Development</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>				<b>FY 2018</b>	<b>FY 2019</b>
				<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>
				<b>FY 2020 Total</b>	
Funding increases due to PE 0901554F, DEAMS, changing from PE 0901538F, Financial Management Information Systems Development.					
<b>Accomplishments/Planned Programs Subtotals</b>				0.000	0.000
				14.895	0.000
				14.895	
<b>C. Other Program Funding Summary (\$ in Millions)</b>					
<b>Line Item</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
• OPAF 03 834470: <i>Defense Enterprise Accounting &amp; Mgt Sys</i>	1.000	0.802	1.905	0.000	1.905
					0.900
					3.107
					3.162
					3.219
					Continuing
					Continuing
<b>Remarks</b>					
<b>D. Acquisition Strategy</b>					
<p>The DEAMS Continuous Capability Development (CCD) acquisition strategy will leverage experience gained from FY19 NDAA Section 869 Pilot Program activities and from agile software development efforts in Increment 1. CCD will be implemented using an agile methodology approach following the Business Capability Acquisition Cycle (BCAC). DEAMS will be in the Capability Sustainment Phase 5 (per DOD Instruction 5000.75) and will conduct continual enhancement/process improvements for the life of the program. DEAMS will continue technical support services for requirements definition and analysis and System Integrator request for proposal (RFP) development, and continue acquisition planning and support for first set of agile development epics supporting CCD system capabilities.</p> <p>CCD will deliver functionality at earliest opportunity on a stable Increment 1 baseline. User experience and mission impact will be taken into account when establishing the release battle rhythm to the operational system. Factors for software releases include:</p> <ul style="list-style-type: none"> <li>- Budget formulation and justification cycles</li> <li>- End of year financial closeout</li> <li>- Interdependencies with enterprise business systems</li> <li>- Higher DOD requirements</li> <li>- On-going development efforts with LOG-IT, CON-IT, MRO, and AFIPPS</li> <li>- Interfaces/data standards changes</li> <li>- Changes to hosting, deployment technologies, or strategies to optimize system security, performance, and cost savings</li> </ul>					
<b>E. Performance Metrics</b>					
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.					

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2020 Air Force</b>												<b>Date: February 2019</b>			
<b>Appropriation/Budget Activity</b> 3600 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)						<b>Project (Number/Name)</b> 675178 / DEAMS Continuous Capability Development			
<b>Product Development (\$ in Millions)</b>				<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 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>
DEAMS Continuous Capability Development (CCD) Product Development	C/TBD	TBD : TBD	-	-		-		11.941	Apr 2020	-		11.941	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		11.941		-		11.941	Continuing	Continuing	N/A
<b>Management Services (\$ in Millions)</b>				<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 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>
Program Management Administrative (PMA) Costs	Various	Various : Various	-	-		-		2.954	Oct 2019	-		2.954	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		2.954		-		2.954	Continuing	Continuing	N/A
			<b>Prior Years</b>	<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			-	-		0.000		14.895		-		14.895	Continuing	Continuing	N/A
<b>Remarks</b>															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Air Force										Date: February 2019																			
Appropriation/Budget Activity 3600 / 7										R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)										Project (Number/Name) 675178 / DEAMS Continuous Capability Development									

	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DEAMS																												
Acquisition Planning																												
Agile Software Development Contract Award																												
Continuous Capability Development																												



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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force		Date: February 2019
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)	Project (Number/Name) 675178 / DEAMS Continuous Capability Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DEAMS				
Acquisition Planning	1	2019	2	2020
Agile Software Development Contract Award	3	2020	3	2020
Continuous Capability Development	3	2020	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Air Force										Date: February 2019		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675179 / Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
675179: Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)	-	0.000	0.000	31.894	0.000	31.894	0.000	0.000	0.000	0.000	0.000	31.894
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

In FY20, PE 0901554F, DEAMS, changed from PE 0901538F, Financial Management Information Systems Development.

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

Defense Enterprise Accounting and Management System (DEAMS) is a commercial-off-the-shelf (COTS), Oracle-based software implementation effort that will provide an auditable, modern accounting and finance system. DEAMS is a Joint United States Air Force (USAF) and United States Transportation Command (USTRANSCOM) Enterprise Resource Planning (ERP) Program that will replace many existing accounting and finance legacy systems and will provide core funds execution management functions consistent with financial management laws, regulations and policy, general ledger, funds management, payments, receivables, cost and revenues, and fiduciary reporting. DEAMS is compliant with the Clinger-Cohen Act, Business Enterprise Architecture (BEA), and integrates into Global Combat Support System-Air Force (GCSS-AF). When fully deployed, DEAMS will be key to Air Force compliance with the Financial Improvement and Audit Readiness (FIAR) requirement in the 2010 NDAA.

DEAMS user deployments include:

- Air Mobility Command (AMC) without Transportation Working Capital Funds (TWCF)
- AMC with TWCF, in conjunction with Defense Finance and Accounting Service (DFAS) Rome
- Air Combat Command (ACC) and Air Force Global Strike Command (AFGSC)
- Air Force Reserve Command (AFRC), and Air National Guard (ANG) and other Geographically Separated Units (GSUs) to include DFAS Limestone, Air Force District of Washington (AFDW), Air Force Special Operations Command (AFSOC), U.S. Air Force Academy (USAF), Pacific Air Forces (PACAF), and DFAS Japan
- U. S. Air Forces in Europe (USAFE), DFAS Europe, and Air Education and Training Command (AETC), Joint Base San Antonio
- Air Force Material Command (AFMC) and Air Force Space Command (AFSPC) (Incremental Deployments)
- Remaining DFAS locations and all other GSUs

On 23 January 2017, the senior official provided the Critical Change Report (CCR) with certifications to Congress. The report recommended a restructure of DEAMS from one increment to multiple increment. The Milestone Decision Authority (MDA) approved the restructured program for DEAMS Inc 1, to include deferring certain requirements to future increments, a limited deployment to an additional 700 users for Inc 1 to United States Air Force in Europe (USAFE), and the updated Full Deployment Authority to Proceed (FD ATP) criteria via an Acquisition Decision Memorandum (ADM) dated 2 June 2017. (FD ATP date is August 2020 and Capability Support Authority to Proceed (CS ATP) date is February 2021.)

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The remaining DEAMS Inc 1 schedule includes the Oracle e-Business Suite R12 upgrade and development and deployment of the remaining Increment 1 capabilities (disbursing, reporting, and Governance/Risk/Compliance (GRC)), as well as enhancements and improvements to the existing baseline. In accordance with the FY19 NDAA, DEAMS is an Agile Pilot program as defined in Sec 873 of the FY18 NDAA, and all remaining development will be accomplished using agile software development methodologies.

DEAMS Inc 1 is developing capability which allows for deployment to the remaining user locations. However, DEAMS has also begun transitioning previously deployed locations to the Operation and Support (O&S) phase.

Funds may be used to develop, acquire, and integrate hardware and software solutions to provide improvements and enhancements in support of the development of the DEAMS capabilities.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver financial management information systems capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.

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

	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
<b>Title:</b> Product Development	0.000	0.000	31.304	0.000	31.304
<b>Description:</b> DEAMS Inc 1 capability development activities support multiple software releases and user deployments as described in the mission description. Development activities include design, build, test, data conversion, reporting, cutover from legacy systems, and the resolution of deficiency reports and defects. Activities also include hardware support (system administration and database security) and storage service by Defense Information Systems Agency (DISA); continued development of interface to Global Combat Support System - Air Force (GCSS-AF); Enterprise Resource Planning (ERP) Common Computing Environment (CCE); Independent Verification and Validation (IV&V); Developmental Release Field Support (DRFS) to include process execution and data scripts; help desk support; Engineering Integration Services (EIS) for oversight of development tools and processes; deployment training and change management activities. Provides acquisition, contract, finance, and cost management planning and Program Management Administration (PMA) utilizing an agile approach for reporting, disbursing, and auditing initiatives. Develop, using an Agile software development approach, the Disbursing Initiative (includes modernizing disbursing and implementing daily reconciliation with the U.S. Treasury, which will manage the receipt and acceptance of agreements, orders, and invoices), the Reporting Initiative (establish a modernized Business					

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Intelligence reporting solution), and the Segregation of Duties (SOD) Initiative (allow DEAMS to meet regulatory compliance requirements associated with Financial Information System Controls Audit Manual (FISCAM)).						
Accomplishments: - As of 9 Aug 2018, 155 of 170 Installations migrated to DEAMS Inc 1 and 14,700 of 16,900 end users migrated to Inc 1 - Successfully deployed to US Air Forces in Europe Major Command - Successful FY18 end of year closeout						
FY 2019 Plans: - Continue development and deployment of E-Business Suite (EBS) R12 software - Continue development/integration of DEAMS disbursing initiative, auditing and long term reporting using Agile Software Development - Continue to work DEAMS enhancements and improvements - Continue remaining development activities to develop capability in support of remaining deployments - Continue program office support activities						
FY 2020 Base Plans: - Will continue with agile development/integration sprints of DEAMS disbursing initiative, auditing and long term reporting using Agile Software Development - Will continue to work DEAMS enhancements and improvements using Agile Software Development - Will continue remaining development activities to develop capability in support of remaining deployments using Agile Software Development - Will continue program office support activities						
FY 2020 OCO Plans: N/A						
FY 2019 to FY 2020 Increase/Decrease Statement: Funding increases due to PE 0901554F, DEAMS, changing from PE 0901538F, Financial Management Information Systems Development.						
Title: Test and Evaluation (T&E)		0.000	0.000	0.590	0.000	0.590

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Air Force		<b>Date:</b> February 2019
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	<b>Project (Number/Name)</b> 675179 / <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>

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

	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
<p><b>Description:</b> The T&amp;E process will be a complete system operational test to determine DEAMS effectiveness, suitability, and mission capability using the R12 Upgrade. It begins with validation of requirements and end to end functional capabilities including compliance mandates. The T&amp;E effort are conducted in developer sites, Air Force test sites, DISA production sites, and user locations. The DEAMS Test and Evaluation Master Plan (TEMP), Lead Developmental Test Organization (LDTO) Integrated Test Plan (ITP), System Integrators (SIs) Software Test Plans (STPs), and Operational Test Agency (OTA) operational test plans covers the details of Increment 1 T&amp;E. Database Administrator (DBA) Test Support required to service test instances. Capabilities Integration Environment (CIE) Integration/Development support for ancillary Test activities required. Hardware and software required for test activities.</p> <p>The T&amp;E effort for the Agile Pilot Program includes Sprint Testing where functionality developed code in the sprint is tested for conformance to functional and non-functional requirements. Sprint Testing shall address unit and integrated testing. Additionally, there will be Regression Testing to validate that the work within the sprint has not introduced defects into areas of the product not directly impacted by the work of the sprint and has not introduced defects into cross-product dependencies such as interfaces.</p> <p><b>FY 2019 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue validation of software and hardware releases and other system updates for DEAMS Inc1</li> <li>- Continue scheduled test events to add confidence to the revised schedule, and DEAMS critical change</li> <li>- Continue preparations for and begin Follow-on Operational Test and Evaluation (FOT&amp;E)</li> <li>- Continue development/integration of DEAMS disbursing initiative and other system capabilities</li> </ul> <p><b>FY 2020 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Complete Follow-on Operational Test and Evaluation (FOT&amp;E)</li> <li>- Continue development/integration of DEAMS disbursing initiative and other system capabilities</li> <li>- Will continue to validate planned software releases and coordinate the complete testing of the Oracle R12 technical software upgrade</li> <li>- Will continue to validate user deployments and coordinate testing</li> <li>- Will continue to plan for and start execution of FOT&amp;E</li> </ul> <p><b>FY 2020 OCO Plans:</b> N/A</p> <p><b>FY 2019 to FY 2020 Increase/Decrease Statement:</b></p>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Air Force			<b>Date:</b> February 2019
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	<b>Project (Number/Name)</b> 675179 / <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Funding increases due to PE 0901554F, DEAMS, changing from PE 0901538F, Financial Management Information Systems Development.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	0.000	31.894	0.000	31.894

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

<b>Line Item</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• OPAF 03 834470: <i>Defense Enterprise Accounting &amp; Mgt Sys</i>	1.000	0.802	1.905	0.000	1.905	0.900	3.107	3.162	3.219	Continuing	Continuing

## Remarks

## D. Acquisition Strategy

DEAMS Inc 1 is over 87% deployed as the baseline viable product for the AF operational finance community. The program relies on heavy customer involvement through the functional management office to govern system changes, requirements development, and day-to-day customer support. DEAMS will employ multiple contract actions as the various Development Activities and Releases are developed, tested, and deployed through FY20.

DEAMS Inc 1 accelerated deployment to Air Combat Command (ACC), Air Education & Training Command (AETC), and AF Reserve Command (AFRC) tenant users from FY20 to FY19. This user base was orphaned from ACC, AETC, and AFRC only because they reside on bases owned by other Major Commands.

AF Space Command and AF Materiel Command Incremental users at the base operations level will migrate to DEAMS Inc 1 capability in FY20 as planned.

In the FY19 NDAA, DEAMS was nominated to be an FY18 NDAA Sec 873 Agile Pilot program. To facilitate the transition from traditional to agile software development, Increment 1 development items will be completed under a new rapid acquisition contract action using agile software development methods. This new effort will also inform and facilitate the agile program implementation for DEAMS Continuous Capability Development.

## E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Air Force												Date: February 2019			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675179 / Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)					
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEAMS: Rapid Acquisition	C/T&M	CACI-ISS, INC : Chantilly, VA	-	-		-		8.201	Feb 2020	-		8.201	0.000	8.201	-
DEAMS: SME Support, General Ledger Reports and Analysis, Business Process Analysis, Master Data Conversion and Training Development	C/T&M	Kearney and Company : Various	-	-		-		10.000		-		10.000	Continuing	Continuing	-
DEAMS: ERP Solutions Architecture services	C/FP	Lintech Global, Inc. : Farmington Hills, MI	-	-		-		3.500	Feb 2020	-		3.500	0.000	3.500	-
DEAMS: Oracle Software Solutions	Various	Various : Various	-	-		-		0.500	May 2020	-		0.500	0.000	0.500	-
DEAMS: ETASS (Engineering)	C/CPFF	Jacobs Technology : Dayton, OH	-	-		-		2.670	Feb 2020	-		2.670	0.000	2.670	-
DEAMS: FFRDC ERP Engineering	C/Various	MITRE Corporation : Various	-	-		-		0.900	Oct 2019	-		0.900	0.000	0.900	-
DEAMS: Direct mission Support (Development/ Integration Environments)	Various	Various : Various	-	-		-		2.000	Oct 2019	-		2.000	0.000	2.000	-
DEAMS: Computing and storage support, system administration, security, storage, etc.	MIPR	DISA : Various	-	-		-		0.033	Oct 2019	-		0.033	0.000	0.033	-
DEAMS: ERP DBA Development and Support Services	C/FFP	DDC IT Services, LLC : Albuquerque, NM	-	-		-		2.000	Jun 2020	-		2.000	0.000	2.000	-
Subtotal			-	-		-		29.804		-		29.804	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Air Force												Date: February 2019			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)				Project (Number/Name) 675179 / Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)							
<b>Test and Evaluation (\$ in Millions)</b>				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEAMS: Test services from AFOTEC, JITC, LDTO and other miscellaneous test resources	Various	Various : Various	-	-		-		0.590	Oct 2019	-		0.590	0.000	0.590	-
<b>Subtotal</b>			-	-		-		0.590		-		0.590	0.000	0.590	N/A
<b>Management Services (\$ in Millions)</b>				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEAMS Program Management Administration	Various	AFLCMC : WPAFB, OH	-	-		-		1.500	Oct 2019	-		1.500	0.000	1.500	-
<b>Subtotal</b>			-	-		-		1.500		-		1.500	0.000	1.500	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			-	-		0.000		31.894		-		31.894	Continuing	Continuing	N/A
<b>Remarks</b>															



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2020 Air Force			<b>Date:</b> February 2019		
<b>Appropriation/Budget Activity</b> 3600 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>		<b>Project (Number/Name)</b> 675179 / <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	

	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>DEAMS Inc 1, Software Change Requests</b>																												
DEAMS Inc 1, Software Change Requests																												
DEAMS Inc 1, SuperCluster Hardware Go-Live																												
DEAMS Inc 1, R12 Software Baseline Development																												
DEAMS Inc 1, Reporting																												
DEAMS Inc 1, Disbursing																												
DEAMS Inc 1, Auditing																												
Deploy DEAMS Inc 1 Capability																												
DEAMS Inc 1, Follow-on Operational Test and Evaluation (FOT&E)																												
DEAMS Inc 1, Full Deployment Authority to Proceed (FD ATP)																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2020 Air Force			<b>Date:</b> February 2019
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	<b>Project (Number/Name)</b> 675179 / <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>DEAMS Inc 1, Software Change Requests</i></b>				
DEAMS Inc 1, Software Change Requests	1	2018	4	2024
DEAMS Inc 1, SuperCluster Hardware Go-Live	1	2018	1	2018
DEAMS Inc 1, R12 Software Baseline Development	2	2018	3	2019
DEAMS Inc 1, Reporting	3	2019	4	2020
DEAMS Inc 1, Disbursing	3	2019	4	2020
DEAMS Inc 1, Auditing	3	2019	4	2020
Deploy DEAMS Inc 1 Capability	2	2018	1	2021
DEAMS Inc 1, Follow-on Operational Test and Evaluation (FOT&E)	1	2020	3	2020
DEAMS Inc 1, Full Deployment Authority to Proceed (FD ATP)	4	2020	4	2020