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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	0.000	46.789	45.638	0.000	45.638	55.067	49.973	50.866	51.802	Continuing	Continuing
675178: <i>DEAMS Continuous Capability Development</i>	-	0.000	14.895	45.638	0.000	45.638	55.067	49.973	50.866	51.802	Continuing	Continuing
675179: <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	-	0.000	31.894	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.894

Note
 In FY2020, PE 0901554F, DEAMS, changed from PE 0901538F, Financial Management Information Systems Development.
 In FY2020, 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 FY2019 under PE 0901538F. Project 675179: DEAMS Increment 1 was under PE 0901538F through FY2019.

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.

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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 accounting and financial management capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

The FY 2021 funding request was reduced by \$11.378 million to account for the availability of prior year execution balances.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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.

B. Program Change Summary (\$ in Millions)	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	0.000	46.789	57.016	0.000	57.016
Current President's Budget	0.000	46.789	45.638	0.000	45.638
Total Adjustments	0.000	0.000	-11.378	0.000	-11.378
• 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	-11.378	0.000	-11.378

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Air Force										Date: February 2020		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>				Project (Number/Name) 675178 / <i>DEAMS Continuous Capability Development</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
675178: <i>DEAMS Continuous Capability Development</i>	-	0.000	14.895	45.638	0.000	45.638	55.067	49.973	50.866	51.802	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2020, PE 0901554F, DEAMS, changed from PE 0901538F, Financial Management Information Systems Development.
 In FY2020, 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 FY2019, DEAMS CCD was added to the FY2018 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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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	Project (Number/Name) 675178 / <i>DEAMS Continuous Capability Development</i>
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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. These deployments will add an additional 4,600 users to Inc 1 baseline for a total of 22,500 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. Additional activities also include studies and analysis to support both program planning and execution.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver accounting and financial management capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

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

	FY 2019	FY 2020	FY 2021
<p>Title: DEAMS Continuous Capability Development (CCD) Product Development</p> <p>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).</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> - Continue Technical support services for requirements definition and analysis and System Integrator request for proposal (RFP) development - 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: <ul style="list-style-type: none"> - Ad Hoc Cost Analysis Reporting - Additional Business Intelligence (BI) functionality - Base Supply Expenditures General Funds only - Accounting for base supply purchases 	0.000	14.895	45.138

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> - Treasury Direct Phase 2 & 3 - Implements Treasury Direct collections - Civilian Pay Cost Accounting - Record Civilian Pay detail for accruals and expenditure accounting - Contract Data Standards - Implements Acquisition data standards for contract writing systems - Major Acquisition/Reimbursable Program Systems - Interfaces/Capabilities necessary for major acquisition programs reporting and Complex contract obligation and pre-validation - Job Order Cost Accounting - Interface enhancement of Job Order Cost Accounting System (JOCAS) II with Standard Financial Information Structure (SFIS) upgrade - Initiate test planning for Agile acquisition <p>FY 2021 Plans:</p> <ul style="list-style-type: none"> - Will continue acquisition process, develop and release System Integrator request for proposal (RFP) and prepare for source selection and contract award to transition from previous SI - Will 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: <ul style="list-style-type: none"> - Ad Hoc Cost Analysis Reporting - Additional Business Intelligence (BI) functionality - Base Supply Expenditures General Funds only - Accounting for base supply purchases - Treasury Direct Phase 2 & 3 - Implements Treasury Direct collections - Civilian Pay Cost Accounting - Record Civilian Pay detail for accruals and expenditure accounting - Contract Data Standards - Implements Acquisition data standards for contract writing systems - Major Acquisition/Reimbursable Program Systems - Interfaces/Capabilities necessary for major acquisition programs reporting and Complex contract obligation and pre-validation - Job Order Cost Accounting - Interface enhancement of Job Order Cost Accounting System (JOCAS) II with Standard Financial Information Structure (SFIS) upgrade 				

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Air Force		Date: February 2020
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

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
- Will continue test planning for Agile acquisition			
FY 2020 to FY 2021 Increase/Decrease Statement: DEAMS Inc 1 completion shifts focus to the DEAMS CCD activities.			
Title: Test and Evaluation	-	0.000	0.500
Description: The T&E process will be a complete system operational test to determine DEAMS effectiveness, suitability and mission capability. The T&E efforts conducted are in developer sites, Air Force test sites, DISA production sites and user locations. The T&E effort will include the implementation of the AGILE principles which 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 continue to be regression testing to validate that the work within the sprint has not introduced new defects into areas of the product no directly impacted by the work of the sprint and has not introduced defects into the cross-product dependencies such as interfaces.			
FY 2020 Plans: N/A			
FY 2021 Plans: Will continue Follow-on Operational Test and Evaluation as required Will continue to validate planned software releases and coordinate testing Will continue to validate user deployments and coordinate testing			
FY 2020 to FY 2021 Increase/Decrease Statement: Testing events in FY20 were related to Inc 1 only			
Accomplishments/Planned Programs Subtotals	0.000	14.895	45.638

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u> <u>Base</u>	<u>FY 2021</u> <u>OCO</u>	<u>FY 2021</u> <u>Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF 03 834470: Defense Enterprise Accounting & Mgt Sys	0.962	1.905	0.899	-	0.899	3.104	3.158	3.215	3.274	Continuing	Continuing
Remarks											

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D. Acquisition Strategy

The DEAMS Continuous Capability Development (CCD) acquisition strategy will leverage experience gained from FY2019 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 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.

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:

- Budget formulation and justification cycles
- End of year financial closeout
- Interdependencies with enterprise business systems
- Higher DOD requirements
- On-going development efforts with LOG-IT, CON-IT, MRO, and AFIPPS
- Interfaces/data standards changes
- Changes to hosting, deployment technologies, or strategies to optimize system security, performance, and cost savings

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force												Date: February 2020			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)						Project (Number/Name)					
3600 / 7				PE 0901554F / Defense Enterprise Acntng and Mgt Sys (DEAMS)						675178 / DEAMS Continuous Capability Development					
Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 Continuous Capability Development (CCD) Product Development	C/TBD	TBD : TBD	-	-		14.895	May 2020	41.010	May 2021	-		41.010	Continuing	Continuing	-
Subtotal			-	-		14.895		41.010		-		41.010	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Test and Evaluation	C/CPAF	Not specified. : TBD	-	-		-		0.500	May 2021	-		0.500	Continuing	Continuing	-
Subtotal			-	-		-		0.500		-		0.500	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 Administrative (PMA) Costs	C/Various	Various : TBD	-	-		-		4.128	Feb 2021	-		4.128	Continuing	Continuing	-
Subtotal			-	-		-		4.128		-		4.128	Continuing	Continuing	N/A
Project Cost Totals			-	-		14.895		45.638		-		45.638	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	Project (Number/Name) 675178 / <i>DEAMS Continuous Capability Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DEAMS				
Acquisition Planning	1	2019	1	2021
Agile Software Development Contract Award	3	2020	2	2021
Continuous Capability Development	2	2021	4	2025

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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
675179: <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>	-	0.000	31.894	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.894
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2020, 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 (USAFA), 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 increments. 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 FY2019 NDAA, DEAMS is an Agile Pilot program as defined in Sec 873 of the FY2018 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 accounting and financial management capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

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

	FY 2019	FY 2020	FY 2021
Title: Product Development	0.000	31.271	-
<p>Description: 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.</p> <p>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.</p> <p>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 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)).</p> <p>FY2019 ACCOMPLISHMENTS:</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> - Completed planned FY2019 deployment of DEAMS to 800 personnel at 10 locations, bringing total users to 15,500 - Awarded contract for Agile software development for remaining Increment 1 capabilities, in accordance with Sec 873 of the FY2018 NDAA - Awarded contracts for development, test, and training environments with the Oracle Federal Managed Cloud Services, for all Agile software development on DEAMS - Awarded bridge contract for R12 upgrade to continue developmental testing and defect correction while contract for new System Integrator was finalized - Successful FY2019 end of year closeout <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> - Continue with agile development/integration sprints of DEAMS disbursing initiative, auditing and long term reporting using Agile Software Development - Continue to work DEAMS enhancements and improvements using Agile Software Development - Continue remaining development activities to develop capability in support of remaining deployments using Agile Software Development - Pursue authority to proceed with Milestone Decision Authority <p>FY 2020 to FY 2021 Increase/Decrease Statement: Ramp down of Inc 1 developmental activities</p>			
<p>Title: Test and Evaluation (T&E)</p> <p>Description: The T&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&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&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&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>	0.000	0.623	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p><i>FY 2020 Plans:</i></p> <ul style="list-style-type: none"> - Complete Follow-on Operational Test and Evaluation (FOT&E) - Continue development/integration of DEAMS disbursing initiative and other system capabilities - Continue to validate planned software releases and coordinate the complete testing of the Oracle R12 technical software upgrade - Continue to validate user deployments and coordinate testing - Continue to plan for and start execution of FOT&E <p><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> Ramp down of test and evaluation activities</p>			
Accomplishments/Planned Programs Subtotals	0.000	31.894	-

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u> <u>Base</u>	<u>FY 2021</u> <u>OCO</u>	<u>FY 2021</u> <u>Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834470: <i>Defense Enterprise Accounting & Mgt Sys</i>	0.962	1.905	0.899	-	0.899	3.104	3.158	3.215	3.274	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 FY2020.

DEAMS Inc 1 accelerated deployment to Air Combat Command (ACC), Air Education & Training Command (AETC), and AF Reserve Command (AFRC) tenant users from FY2020 to FY2019. 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 FY2020 as planned.

In the FY2019 NDAA, DEAMS was nominated to be an FY2018 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force											Date: February 2020				
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 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DEAMS: Rapid Acquisition	C/T&M	CACI-ISS, INC : Chantilly, VA	-	-		7.333	Apr 2020	-		-		-	0.000	7.333	-
DEAMS: SME Support, General Ledger Reports and Analysis, Business Process Analysis, Master Data Conversion and Training Development	C/T&M	Kearney and Company : Various	-	-		5.041	Feb 2020	-		-		-	0.000	5.041	-
DEAMS: ERP Solutions Architecture services	C/FP	Lintech Global, Inc. : Farmington Hills, MI	-	-		3.407	Feb 2020	-		-		-	0.000	3.407	-
DEAMS: Oracle Software Solutions	Various	Various : Various	-	-		3.635	May 2020	-		-		-	0.000	3.635	-
DEAMS: Direct mission Support (Development/ Integration Environments)	Various	Various : Various	-	-		1.904	Jan 2020	-		-		-	0.000	1.904	-
DEAMS: ERP DBA Development and Support Services	C/FFP	DDC IT Services, LLC : Albuquerque, NM	-	-		1.121	Jun 2020	-		-		-	0.000	1.121	-
Subtotal			-	-		22.441		-		-		-	0.000	22.441	N/A

Test and Evaluation (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DEAMS: Test services from AFOTEC, JITC, LDTO and other miscellaneous test resources	Various	Various : Various	-	-		0.623	Jan 2020	-		-		-	0.000	0.623	-
Subtotal			-	-		0.623		-		-		-	0.000	0.623	N/A

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901554F / <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	Project (Number/Name) 675179 / <i>Defense Enterprise Accounting Management System Increment 1 (DEAMS Inc 1)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DEAMS Inc 1, Software Change Requests</i>				
DEAMS Inc 1, Software Change Requests	1	2019	3	2021
DEAMS Inc 1, R12 Software Baseline Development	1	2019	1	2020
DEAMS Inc 1, Reporting	3	2019	3	2021
DEAMS Inc 1, Disbursing	3	2019	3	2021
DEAMS Inc 1, Auditing	3	2019	3	2021
Deploy DEAMS Inc 1 Capability	1	2019	4	2020
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