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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Air Force **Date:** April 2022

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 8: Software and Digital Technology Pilot Programs</i>	<b>R-1 Program Element (Number/Name)</b> PE 0608920F / <i>Defense Enterprise Accounting and Management System (DEAMS) - Software Pilot Pro</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	136.202	0.000	136.202	139.000	141.596	143.246	146.432	Continuing	Continuing
685178: <i>DEAMS Continuous Capability Development</i>	-	0.000	0.000	136.202	0.000	136.202	139.000	141.596	143.246	146.432	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**  
 In FY 2023, DEAMS Continuous Capability Development (CCD) budget controls have been realigned from Research, Development, Test & Evaluation (RDT&E) Program Element (PE) 0901554F Project 675178, Operations & Maintenance (O&M) AG/SAG 042A, and Other Procurement Line Item 834470 and consolidated into Budget Activity 8 in PE 0608920F in order to participate in the DoD's Software & Digital Technology Pilot Program.

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

The FY 2018 NDAA Sections 873/874 directed OSD to streamline software development. In FY 2022, DEAMS was included in an OSD pilot initiative in which all lifecycle funding will be tracked under BA08, Software and Digital Technology Pilot Programs. No FY 2022 Pilot programs were initiated, resulting in the shift of the request from FY 2022 to FY 2023. Pilot programs will test the ability to execute modern software development practices encompassing development, procurement, modification and maintenance activities. The DEAMS pilot program in PE 0608920F, RDT&E, Air Force, BA08 includes Air Force RDT&E, Other Procurement, and Operations & Maintenance funds transferred from PE 0901554F.

DEAMS is a commercial-off-the-shelf (COTS), Oracle-based software implementation which provides an auditable, modern accounting and finance management capability. It is the Department of the Air Force's (DAF) core accounting and financial management solution and is a key component of the DAF's long-term business process improvements needed to sustain auditability and correct financial system weaknesses. DEAMS is deployed at 170 installations world-wide supporting 17,000 users at all Air Force Major Commands, within the U.S. Space Force, and at Unified Commands where the DAF is the executive agent.

DEAMS is a joint DAF and United States Transportation Command (USTRANSCOM) Enterprise Resource Planning (ERP) Program that replaces numerous inefficient and/or obsolete legacy accounting and finance systems and provides 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.

The DAF is planning to increase DEAMS usage within the acquisition community to include acquisition program management offices, laboratories, test centers, and air logistics complexes. These deployments will add an additional 4,500 users for a total of 21,500 users.

DEAMS is compliant with the Clinger-Cohen Act and the DoD's Business Enterprise Architecture (BEA). DEAMS is the key to DAF's compliance with the Financial Improvement and Audit Readiness (FIAR) requirement. This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

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This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY 2021 0.212M was expended for civilian pay expenses in this program element, and in FY 2022 0.216M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 8, Software and Digital Technology Pilot Program because this budget activity includes funding provided for expenses necessary for agile development, test and evaluation, procurement, production and modification, and the operation and maintenance of these programs.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	0.000	135.263	0.000	0.000	0.000
Current President's Budget	0.000	0.000	136.202	0.000	136.202
Total Adjustments	0.000	-135.263	136.202	0.000	136.202
• 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	-135.263			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	136.202	0.000	136.202

**Change Summary Explanation**

FY 2022 and prior years funding was executed in PE 0901554F - Project Number 675178, PE 0901554F - Line 834470, and OMAF Operating Forces, Activity Group, Service-wide Activities, Sub-Activity Group 42A, Administration.

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
<b>Title:</b> DEAMS Continuous Capability Development (CCD) Product Development	0.000	0.000	57.965	0.000	57.965
<b>Description:</b> DEAMS CCD system capabilities will be developed and enhanced through completion of iterative development cycles in accordance with an Agile software development strategy. Development activities include requirements analysis, design, build, test, data conversion, migration from legacy system as required, implementation into the DEAMS baseline, and the resolution of deficiency reports and defects. Activities also include various Advisory and Assistance Services (A&AS) and Program Management Administration (PMA) activities to support the aforementioned development efforts.					

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 8: Software and Digital Technology Pilot Programs</i>	<b>R-1 Program Element (Number/Name)</b> PE 0608920F / <i>Defense Enterprise Accounting and Management System (DEAMS) - Software Pilot Pro</i>
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**C. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<p><b>FY 2022 Plans:</b> See PE 0901554F, Defense Accounting and Management System (DEAMS), Project Number 675178, DEAMS Continuous Capability Development.</p> <p><b>FY 2023 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Will continue incremental planning and support initiatives to organize CCD backlog requirements into capability-delivering epics.</li> <li>- Will continue to develop additional Business Intelligence (BI) functionality to enhance reporting capability</li> <li>- Will continue to implement governance capabilities to effectively shape system behavior to DAF finance business rules and workflow</li> <li>- Will continue to implement additional Treasury Direct Dispersing capability to bring DEAMS into compliance with OUSD Treasury Disbursing and Collections Initiatives including, but not limited to implementing Military Cost Pay Accounting, implementing acquisition data standards for contract writing systems, and developing accounting capability for base supply purchases</li> <li>- Will continue to implement Oracle's Splunk platform as an OSD Cybersecurity pilot program to more effectively manage data and enhance decision-space and system performance</li> <li>- Will continue Operational Test and Evaluation as required by supporting the Adaptive, Relevant Testing concept; expanding automated test activities to decrease time in test and increase product quality; and test, validate, and coordinate capability deployments to the user community</li> <li>- Will continue to leverage Agile methods and cadence to resolve existing/new defects and add enhancements in the production environment</li> <li>- Will continue to research, design, and build a secure and continuous process for development and delivery of capabilities (Dev/Sec/Ops)</li> <li>- Will continue to restructure the system architecture to improve performance of the End of Day/End of Month processing</li> <li>- Will continue migration/development/transition activities to implement Cloud solution</li> <li>- Will continue to refine near-term technical requirements/tools to ensure smooth operation of DEAMS and mature development capabilities</li> <li>- Will continue to reduce technical debt and modernize system by implementing improved software development methods and solutions</li> <li>- Will develop the G-Invoicing, Contract Writing, Reporting Phase 2, TDD Phase 2 and ICAM (Audits) capabilities</li> </ul> <p><b>FY 2023 OCO Plans:</b></p>					

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
N/A						
<p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b></p> <ul style="list-style-type: none"> <li>- There is no significant increase/decrease in baseline funding between FY 2022 and FY 2023.</li> <li>- For FY 2022, see PE 0901554F, Defense Accounting and Management System (DEAMS), Project Number 675178, DEAMS Continuous Capability Development.</li> </ul>						
<p><b>Title:</b> Deployment</p> <p><b>Description:</b> DEAMS will ultimately deploy to approximately 4,500 additional financial managers assigned to major acquisition programs, sustainment centers, reimbursable laboratories, and launch facilities at 15 Air and Space Force locations. The system is currently deployed to all DAF locations, in full or partial capacity; all future deployments will complete the functionality at these locations.</p> <p><b>FY 2022 Plans:</b> See PE 0901554F, Defense Accounting and Management System (DEAMS), Line Item 834470, DEAMS.</p> <p><b>FY 2023 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Will purchase software licenses for scheduled FY 2023 deployments (exact quantity will vary based on backlog priority)</li> <li>- Will deploy Misc. Payments capability to 64 ANG, USAFE, PACAF, and AFMC installations</li> </ul> <p><b>FY 2023 OCO Plans:</b> N/A</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b></p> <ul style="list-style-type: none"> <li>- Funding decreased due to a reduction in software license buys in FY 2023.</li> <li>- For FY 2022, see PE 0901554F, Defense Accounting and Management System (DEAMS), Line Item 834470, DEAMS.</li> </ul>		0.000	0.000	1.842	0.000	1.842
<p><b>Title:</b> DEAMS Continuous Capability Development (CCD) Support and Sustainment</p> <p><b>Description:</b> DEAMS capabilities will be sustained through numerous Operations &amp; Support activities designed to execute an iterative steady-state software sustainment process. Sustainment activities include day-to-day operations and support, production environment management, system performance, monitoring and tuning, technical debt reduction, refreshes/updates to databases, and information processing capabilities. Activities</p>		0.000	0.000	76.395	0.000	76.395

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

also include various A&AS and PMA activities to support the aforementioned sustainment operations as well as operational support at multiple Data Centers (DISA/Oracle).

***FY 2022 Plans:***

See OMAF Operating Forces, Activity Group, Service-wide Activities, Sub-Activity Group 42A, Administration.

***FY 2023 Base Plans:***

- Will obtain Capability Support ATP and transition to BCAC Capability Support phase
- Will continue to release new capability into production using Agile methodology and established cadence
- Will continue to optimize performance by conducting tuning activities and removing unused code and interfaces
- Will continue to deploy fixes to address defects and user-identified problems
- Will continue to ensure system security and support the Risk Management Framework (RMF) through continuous monitoring activities
- Will continue to support 24/7 operations for current and expanding global user community through activities such as Help Desk operations, functional expertise, technical support, and license maintenance
- Will continue to improve system efficiency by supporting continuous processes for secure development and delivery of capabilities (Dev/Sec/Ops) and posturing the production system architecture for cloud migration
- Will continue to onboard Scaled Agile Framework (SAFe) 5.0 methodology and continue to implement the scalable requirements
- Will continue production environment migration to Oracle Cloud Infrastructure (OCI)
- Will continue with Oracle eBusiness Suite 12.2.10 upgrade
- Will continue Solaris 11 upgrade
- Will upgrade DB/SOA Environments
- Will perform Disaster Recovery Test
- Will implement Splunk Automation
- Will upgrade Privileged Access Management

***FY 2023 OCO Plans:***

N/A

***FY 2022 to FY 2023 Increase/Decrease Statement:***

- There is no significant increase/decrease in baseline funding between FY 2022 and FY 2023.

FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 8: Software and Digital Technology Pilot Programs</i>	<b>R-1 Program Element (Number/Name)</b> PE 0608920F / <i>Defense Enterprise Accounting and Management System (DEAMS) - Software Pilot Pro</i>
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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
- For FY 2022, see OMAF Operating Forces, Activity Group, Service-wide Activities, Sub-Activity Group 42A, Administration.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	0.000	136.202	0.000	136.202

<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 834470: <i>Defense Enterprise Accounting &amp; Mgt Sys</i>	1.078	3.103	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.181
• RDTE 07 0901554F: <i>Defense Enterprise Acntng and Mgt Sys (DEAMS)</i>	39.628	54.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	94.028

**Remarks**  
FY 2022 and prior years funding was executed in PE 0901554F - Project Number 675178, PE 0901554F - Line 834470, and OMAF Operating Forces, Activity Group, Service-wide Activities, Sub-Activity Group 42A, Administration.

**E. Acquisition Strategy**  
In FY 2021, the Department of the Air Force declared Increment I complete. DEAMS will transition to the Capability Support Phase in FY 2023. Implementation is accomplished via continuous capability development as requirements are prioritized by the associated Program and Functional Management Offices and organized in the requirements backlog. DEAMS capabilities are developed and sustained in accordance with the selected Agile software implementation strategy. Development activities include requirements analysis, design, build, test, data conversion, migration from legacy system as required, implementation into the DEAMS baseline, and the resolution of deficiency reports and defects. Sustainment activities include day-to-day operations and support, production environment management, and numerous system performance improvement initiatives. This strategy has been refined to enable continual enhancements and process improvements for the life of the system.

The DEAMS program will develop functionality on cadence and release on demand. User experience and mission impact will be considered when determining release dates during the execution cycle.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force** **Date:** April 2022

<b>Appropriation/Budget Activity</b> 3600 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0608920F / Defense Enterprise Accounting and Management System (DEAMS) - Software Pilot Pro	<b>Project (Number/Name)</b> 685178 / DEAMS Continuous Capability Development
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<b>Product Development (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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 System Integrator	C/FFP	CACI-ISS, Inc. : Chantilly, VA	-	-		-		10.000	Dec 2022	-		10.000	Continuing	Continuing	-
DEAMS: Direct mission Support (DBA Support, Architecture Services, FMO SME Support, HW/SW)	Various	Various : Various	-	-		-		37.881	Jan 2023	-		37.881	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		47.881		-		47.881	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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 System Integrator O&S	C/FFP	CACI-ISS, Inc. : Chantilly, VA	-	-		-		26.000	Dec 2022	-		26.000	Continuing	Continuing	-
DEAMS: Direct Mission Support (Help Desk, DBA Support, FMO SME Support, Environments)	Various	Various : Various	-	-		-		39.279	Jan 2023	-		39.279	Continuing	Continuing	-
DEAMS: Production Licenses	C/FFP	Not specified. : TBD	-	-		-		3.000	Nov 2022	-		3.000	Continuing	Continuing	-
DEAMS: License Maintenance	C/FFP	Not specified. : TBD	-	-		-		8.000	Jan 2023	-		8.000	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		76.279		-		76.279	Continuing	Continuing	N/A

<b>Test and Evaluation (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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,	Various	Various : TBD	-	-		-		1.000	Jan 2023	-		1.000	Continuing	Continuing	-





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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Air Force		<b>Date:</b> April 2022
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>DEAMS CCD Requirements Implementation</i></b>				
Capability Support Authority to Proceed	1	2023	1	2023
Capability Support Phase (Continuous Capability Development)	1	2023	4	2027

**Note**

FY 2022 and prior years funding was executed in PE 0901554F - Project Number 675178, PE 0901554F - Line 834470, and OMAF Operating Forces, Activity Group, Service-wide Activities, Sub-Activity Group 42A, Administration.