

UNCLASSIFIED

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 0401840F / <i>AMC Command and Control System</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
Total Program Element	-	1.626	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
674879: <i>Camps</i>	-	1.626	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
 In CY 18 Consolidated Air Mobility Planning System (CAMPS) Increment 1 was a new start. SPARTA prototype has been delivered and will be transitioned into CAMPS. No RDT&E funds will be required past FY19.

A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification

Consolidated Air Mobility Planning System (CAMPS) Increment 1.

The CAMPS Increment I program is the primary critical joint requirements management system for Special Assignment Air Mission (SAAM), Air Refueling (AR) scheduling, and Intra-theater air movement requests. It is also the primary USTRANSCOM and Air Mobility Command Command and Control (AMC C2) planning and scheduling tool enabling Mobility Air Force (MAF) resources to support peacetime, contingency, humanitarian, and wartime operations. In the Air Refueling Management System (ARMS), CAMPS provides the ability to request, manage and validate requests for air refueling. Force-level CAMPS users include the USTRANSCOM Fusion Center, 618th Air Operations Center (AOC) Tanker Airlift Control Center (TACC), and other AOC Air Mobility Divisions (AMDs). Several web-based applications also support movement and air refueling requests for globally distributed Joint, Service, and Wing/Unit level users.

The 618 AOC (TACC) is a global air operations center responsible for planning and executing airlift and air refueling missions in support of the Joint Deployment and Distribution Enterprise (JDDE). Although primarily used by the 618 AOC (TACC), CAMPS also supports validation, planning, and scheduling activities found at AMD and USTRANSCOM. CAMPS airlift and air refueling requirement management applications are available for all globally distributed Joint, Service, and Wing/Unit level users that need to request airlift or air refueling.

The current CAMPS AR scheduling capability does not have access to all data sources necessary to maintain visibility of and support for all potential re-planning requirements and therefore can have 'blind spots' which hinder its ability to provide robust support for planning and re-planning across the entire "initial through final" planning phase. This CAMPS Increment I (modernization) effort will build on the existing technology transitioned from RDT&E initiatives.

FY19 continued funding for Air Refueling scheduling capability development and testing to provide planners an integrated human-in-the-loop and machine-based cooperative system which provides the ability to rapidly generate and evaluate multiple potential solution candidates to satisfy requirements. This increases the effectiveness and efficiency with which Air Refueling assets are employed and support increased operational agility through rapid, effective and efficient re-planning while minimizing the impact on currently planned mission sets. The AR scheduling metrics component enables on-going improvement of the AR scheduling system and can be developed after extensive analysis and iterations with the constituent user sets and command authorities. Funding for this exhibit contained in PE 0401840F.

UNCLASSIFIED

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 0401840F / <i>AMC Command and Control System</i>
--	---

Funding obligated in FY19 was \$538K, remaining \$1.1M will be obligated in FY20. ARST continues into FY20 as SPARTA capabilities are integrated by the end of the FY. No additional funding will requested or required. Further development of Air Refueling capabilities past FY20 will be funded by TWCF.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver CAMPS Inc 1 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.

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)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	1.688	0.000	0.000	0.000	0.000
Current President's Budget	1.626	0.000	0.000	0.000	0.000
Total Adjustments	-0.062	0.000	0.000	0.000	0.000
• 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	-0.062	0.000	0.000	0.000	0.000

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
Title: CAMPS Increment 1 Dvelopment	1.626	0.000	0.000
Description: Complete funding obligation of Consolidated Air Mobility Planning System (CAMPS) Increment one, Air Refueling scheduling planning capability during FY20 with FY19 funding. Funds will be fully expended by 23 Mar 2021 (end of MAFC2SDS contract base year (24 Mar 2020 - 23 Mar 2021)).			
No FY21 funding required.			
FY 2020 Plans: No funding required.			
FY 2021 Plans:			

UNCLASSIFIED

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 0401840F / <i>AMC Command and Control System</i>
--	---

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
No FY21 funding required.			
FY 2020 to FY 2021 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	1.626	0.000	0.000

D. 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 Line Item 834070: <i>AMC Command and Control System</i>	10.192	10.369	10.553	-	10.553	10.745	10.933	11.130	11.133	Continuing	Continuing

Remarks

E. Acquisition Strategy

The selected acquisition strategy of this project is focused on rapid, low cost development and sustainment.

CAMPS Increment 1 is being executed under USTRANSCOM Acquisition Authority and shall be acquired using the DODI 5000.02 Model 3 approach for Incrementally Deployed Software Intensive Program.

UNCLASSIFIED

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 0401840F / <i>AMC Command and Control System</i>	Project (Number/Name) 674879 / <i>Camps</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CAMPS				
CAMPS Air Refueling Development	3	2019	2	2020
CAMPS Air Refueling Integration	3	2020	2	2021

Note

- 3Q/FY19 Begin CAMPS Air Refueling Development
- 3Q/FY20 Begin CAMPS Air Refueling Integration
- 2Q/FY20 Complete CAMPS Air Refueling Development
- 2Q/FY21 Complete CAMPS Air Refueling Integration