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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401840F I AMC Command and Control System							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	3.510	0.000	3.510	1.701	0.000	0.000	0.000	0.000	5.211
674879: Camps	-	0.000	0.000	3.510	0.000	3.510	1.701	0.000	0.000	0.000	0.000	5.211
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 07 PE 0401840F, project 674879, CAMPS Increment 1 Development, is a new start.

A. Mission Description and Budget Item Justification

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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), and Intra-theater air movement requests. It is also the primary Air Mobility Command Command and Control (AMC C2) planning and scheduling tool enabling AMC air mobility 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 618th 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 618th 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 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.

FY18 begins funding the Air Refueling 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 AR requirements. This will increase the effectiveness and efficiency with which Air Refueling assets are employed and support increased operational agility through more, rapid, effective and efficient re-planning while minimizing the impact on currently planned mission sets. The AR metrics component will enable on-going improvement of the AR system and be developed after extensive analysis and iterations with the constituent user sets and command authorities.

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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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total				
Previous President's Budget			0.000	0.000	0.000	0.000	0.000				
Current President's Budget			0.000	0.000	3.510	0.000	3.510				
Total Adjustments			0.000	0.000	3.510	0.000	3.510				
• 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	3.510	0.000	3.510				
C. Accomplishments/Planned Programs (\$ in Millions)						FY 2016	FY 2017	FY 2018			
Title: CAMPS Increment 1 Dvelopment						-	-	3.510			
Description: Begin development of Consolidated Air Mobility Planning System (CAMPS) Increment one, Air Refueling planning capability											
FY 2018 Plans: Begin development of Consolidated Air Mobility Planning System (CAMPS) Increment one, Air Refueling planning capability.											
Accomplishments/Planned Programs Subtotals						-	-	3.510			
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• OPAF: BA03: Line Item #834070: <i>AMC Command and Control System</i>	13.062	9.814	10.083	0.000	10.083	10.265	10.447	10.634	10.827	Continuing	Continuing
Remarks											
E. Acquisition Strategy This effort will be developed, demonstrated, and documented in a way that supports rapid and low cost acquisition and sustainment.											

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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.		
F. 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.		