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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 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0308602F I ENTEPRISE INFORMATION SERVICES (EIS)							
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	-	3.841	4.410	29.049	0.000	29.049	20.700	24.300	10.800	7.900	0.000	101.000
66ACSI: ACQ and Command Support Integration	-	3.841	4.410	29.049	0.000	29.049	20.700	24.300	10.800	7.900	0.000	101.000
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 06 PE 0308602F, project 66ACSI, Enterprise Resource Planning Consolidation, is a new start.

A. Mission Description and Budget Item Justification

Enterprise Information Services (EIS) is a portfolio of integrated programs/technologies/services that enables and sustains Air Force Information Management and Knowledge Operations. EIS provides Air Force personnel access to, and management of, timely, accurate, and trusted mission data, information, and knowledge supporting information/decision superiority. The environment will utilize the services provided by the Common Computing Environment (CCE).

CCE provides standardized platforms, common application support services, data center migration strategy, and security services for hosting AF mission applications. This acquisition is critical for multiple hosting environments leveraging DoD Joint Information Environment (JIE) Core Data Centers (CDC), commercial cloud capabilities and DISA brokered cloud capabilities in compliance with the Air Force Information Technology (AF IT) baselines. This effort also provides technical expertise, programmatic guidance, and policy navigation that supports AF approved application rationalization processes to multiple hosting environments and enterprise IT Lifecycle Capabilities Integration Environment (CIE) testing of CCE services.

In FY17 Common Tool Development was a new start

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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B. Program Change Summary (\$ in Millions)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget		3.841	4.410	0.000	0.000	0.000
Current President's Budget		3.841	4.410	29.049	0.000	29.049
Total Adjustments		0.000	0.000	29.049	0.000	29.049
• 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	29.049	0.000	29.049
Change Summary Explanation						
The addition of FY18 funding will be used to continue the implementation of the Common Computing Environment for the Air Force.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2016	FY 2017	FY 2018
Title: Platform Provisioning / Technical Baseline (TB) Aligned Platform Configuration				1.000	0.526	0.526
Description: This task provides the engineering analysis of the Target Baseline platform configurations leading to development of design patterns and templates to be used at the enterprise level by Air Force Information Technology capabilities. These standards will be developed against multiple hosting environments to include DISA MilCloud, commercial cloud, and Installation Processing Nodes.						
FY 2016 Accomplishments:						
- Worked to develop Common Computing Environment platforms and services into commercial cloud environments providing pathway for reduced infrastructure sustainment costs						
- Established standardized process for providing engineering analysis of platform and services updates to support the 200+ applications requiring migration to new cloud environments complying with Federal Data Center Consolidation Initiative						
- Provided engineering analysis of Target Baseline updates ensuring updates and changes integrated into Implementation Baseline						
FY 2017 Plans:						
- Continue to develop Common Computing Environment platforms and services into Installation Processing Nodes ensuring standardization and compliance across all infrastructure hosting environments						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
- Continue to provide engineering analysis of applications requiring migration to all infrastructure hosting environments FY 2018 Plans: - Will continue development of Common Computing Environment platforms and services to ensure standardization and compliance across all infrastructure hosting environments - Will continue providing engineering analysis of applications requiring migration to all infrastructure hosting environments				
Title: Managed Service Office (MSO) Description: This task develops the process flows for engaging mission application program offices, gathering infrastructure requirements and performing engineering analysis to determine optimum hosting platforms for Air Force IT capabilities. This provides the foundation for initial capabilities supporting the JIE stand-up. FY 2016 Accomplishments: - Continued work to build out engagement processes and begin including automation capabilities to capture mission application infrastructure requirements and also develop application migration tracking tools - Worked to develop virtual data center management capabilities to be utilized across multiple infrastructure hosting environments; optimizes ordering and consumption of cloud services driving down application storage and compute costs - Continued work to develop solutions to accelerate migration events to drastically reduce IT costs across the AF IT portfolio FY 2017 Plans: - Continue to provide engineering analysis and support to 100+ applications requiring migration to data centers in compliance with Federal Data Center Consolidation Initiative mandates - Continue to refine engagement process to provide more efficient application migration support process FY 2018 Plans: - Will provide engineering analysis and support to new applications requiring migration to data centers in compliance with Federal Data Center Consolidation Initiative mandates - Will continue to refine engagement process to provide more efficient application migration support process		2.438	2.438	2.419
Title: Enterprise Services Extended to the Commercial Cloud Description: This effort develops the design patterns and templates for taking the standardized platforms and enterprise application support services to commercial cloud environments. As more commercial cloud environments receive certifications for hosting DoD applications, this ensures the proper tools are developed and integrated for use in the commercial cloud environments. FY 2016 Accomplishments:		0.403	0.500	0.500

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
<ul style="list-style-type: none"> - Began development of the tools to provide automated provisioning of standardized platforms into commercial cloud hosting - Began development of the design patterns and standardized templates for application to integrate enterprise application support services in commercial cloud environments FY 2017 Plans: <ul style="list-style-type: none"> - Continue development of the tools to provide automated provisioning of standardized platforms into commercial cloud hosting - Continue development of the design patterns and standardized templates for application to integrate enterprise application support services in commercial cloud environments FY 2018 Plans: <ul style="list-style-type: none"> - Will provide engineering analysis and support to greater than 100 applications requiring migration to data centers in compliance with Federal Data Center Consolidation Initiative mandates - Will refine engagement process to provide more efficient application migration support process - Will develop automated platform provisioning tools to be used across multiple infrastructure hosting environments 				
Title: Common Tool Development Description: Develop and deploy a common set of enterprise tools to support application development and testing. These tools allow the Common Computing Environment to provide Test as a Service to mission application development teams; allowing for standardize development and test environments. FY 2016 Accomplishments: N/A FY 2017 Plans: <ul style="list-style-type: none"> - Continue to research and evaluate available development and test tools and perform analysis of alternatives of the various tools - Continue to develop testing processes and procedures to be used by application developers migrating capabilities to the Joint Information Environment infrastructure -Continue to develop and implement Test as a Service capabilities for use by application development teams FY 2018 Plans: <ul style="list-style-type: none"> - Will provide engineering analysis and support to greater than 100 applications requiring migration to data centers in compliance with Federal Data Center Consolidation Initiative mandates - Will refine engagement process to provide more efficient application migration support process -Will develop automated platform provisioning tools to be used across multiple infrastructure hosting environments 		0.000	0.946	0.404
Title: Enterprise Resource Planning Consolidation		0.000	0.000	25.200

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
<p>Description: Design, develop and deliver consolidated common services for Enterprise Resource Planning applications. Target environments are development, test, production and disaster recovery across at least two geographically separated locations. This effort includes completing cybersecurity requirements and acquisition of supporting hardware, software and management resources.</p> <p>FY 2016 Accomplishments: N/A</p> <p>FY 2017 Plans: N/A</p> <p>FY 2018 Plans: -Will provide development, test, production and disaster recovery environments -Will continue cybersecurity requirements to be deployment for development/test environments plus begin production/disaster recovery environments -Will procure supporting hardware and software plus begin transition of licensing from applications to common service provider</p>				
Accomplishments/Planned Programs Subtotals		3.841	4.410	29.049
<p>D. Other Program Funding Summary (\$ in Millions) N/A</p> <p>Remarks</p> <p>E. Acquisition Strategy N/A</p> <p>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.</p>				