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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 6: <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0308602F / <i>ENTEPRISE INFORMATION SERVICES (EIS)</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	4.912	3.841	4.410	0.000	4.410	0.000	0.000	0.000	0.000	0.000	13.163
66ACSI: <i>ACQ and Command Support Integration</i>	-	4.912	3.841	4.410	0.000	4.410	0.000	0.000	0.000	0.000	0.000	13.163
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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) 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 Capability for integration testing of CCE services.

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.

B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	4.938	4.841	4.838	0.000	4.838
Current President's Budget	4.912	3.841	4.410	0.000	4.410
Total Adjustments	-0.026	-1.000	-0.428	0.000	-0.428
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-1.000			
• 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	-0.026	0.000			
• Other Adjustments	0.000	0.000	-0.428	0.000	-0.428

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<u>Change Summary Explanation</u> Forward financing				
<u>C. Accomplishments/Planned Programs (\$ in Millions)</u>		FY 2015	FY 2016	FY 2017
<i>Title:</i> Platform Provisioning / TB Aligned Platform Configuration		2.000	1.000	0.526
<i>Description:</i> 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.				
<i>FY 2015 Accomplishments:</i> - Established initial version of the Common Computing Environment platforms in DISA MilCloud environment; supported successful migration of 2 pathfinder applications to new platform - Performed initial engineering analysis of Target Baseline and developed Implementation Baseline establishing standardized platforms and application support services - Developed Change Management Process for future Implementation Baseline releases				
<i>FY 2016 Plans:</i> - Will develop Common Computing Environment platforms and services into commercial cloud environments providing pathway for reduced infrastructure sustainment costs - Will establish 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 - Will provide engineering analysis of Target Baseline updates ensuring updates and changes integrated into Implementation Baseline				
<i>FY 2017 Plans:</i> - Will develop Common Computing Environment platforms and services into Installation Processing Nodes ensuring standardization and compliance across all infrastructure hosting environments - Will provide engineering analysis of applications requiring migration to all infrastructure hosting environments				
<i>Title:</i> Managed Service Office (MSO) / Information Technology Lifecycle Center (ITLC) / Implementation Baseline Process Stand-up		2.912	2.438	2.938
<i>Description:</i> 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.				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<p><i>FY 2015 Accomplishments:</i></p> <ul style="list-style-type: none"> - Developed and tested initial engagement process flows with pathfinder set of applications; developed tool-set for application tracking and requirements gathering and analysis - Established Configuration Control Board to manage platforms across multiple cloud infrastructure hosting environments <p><i>FY 2016 Plans:</i></p> <ul style="list-style-type: none"> - Will continue building out engagement processes and begin including automation capabilities to capture mission application infrastructure requirements and also develop application migration tracking tools - Will 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 - Will develop solutions to accelerate migration events to drastically reduce IT costs across the AF IT portfolio <p><i>FY 2017 Plans:</i></p> <ul style="list-style-type: none"> - Will provide engineering analysis and support to 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 				
<p><i>Title:</i> Enterprise Services Extended to the Commercial Cloud</p> <p><i>Description:</i> 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.</p>		0.000	0.403	0.000
<p><i>FY 2015 Accomplishments:</i> N/A</p> <p><i>FY 2016 Plans:</i></p> <ul style="list-style-type: none"> - Will develop the tools to provide automated provisioning of standardized platforms into commercial cloud hosting - Will develop design patterns and standardized templates for application to integrate enterprise application support services in commercial cloud environments <p><i>FY 2017 Plans:</i> N/A</p>				
<p><i>Title:</i> Common Tool Development</p>		0.000	0.000	0.946

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
<p>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.</p> <p>FY 2015 Accomplishments: N/A</p> <p>FY 2016 Plans: N/A</p> <p>FY 2017 Plans:</p> <ul style="list-style-type: none"> - Will research and evaluate available development and test tools and perform analysis of alternatives of the various tools - Will develop testing processes and procedures to be used by application developers migrating capabilities to the Joint Information Environment infrastructure - Will develop and implement Test as a Service capabilities for use by application development teams 			
Accomplishments/Planned Programs Subtotals	4.912	3.841	4.410

D. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

E. Acquisition Strategy
N/A

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.