

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force **Date:** February 2015

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 0303141F / <i>Global Combat Support System</i>							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	0.725	0.692	-	-	-	0.159	0.106	-	-	Continuing	Continuing
675046: <i>Systems Engineering & Integration</i>	-	0.725	0.692	-	-	-	-	-	-	-	Continuing	Continuing
676027: <i>Global Force Mgt Initiative</i>	-	-	-	-	-	-	0.159	0.106	-	-	Continuing	Continuing

Note

In FY2016, components of project number 675046, Systems Engineering & Integration, efforts were transferred from PE 0303141F, Global Combat Support Systems (GCSS) to Program B02000 Global Force Management, PE 0303142F, Global Force Management - Data Initiative (GFM-DI) in order to provide better visibility of costs associated with GFM-DI.

In FY2015, project number 675046 Systems Engineering & Integration, efforts were transferred from PE 0303141F, Global Combat Support Systems (GCSS) to project number 66ACSI, Acquisition and Command Support (ACSI), PE 0308602F, Enterprise Information Services (EIS), in order to provide better visibility of costs associated with evolution to a Cloud Computing Environment (CCE) now called Common Computing Environment (CCE).

In FY2015 efforts in project 675046, Systems Engineering and Integration, will complete.

A. Mission Description and Budget Item Justification

Global Combat Support System-Air Force (GCSS-AF) provides the warfighter and supporting elements with timely, accurate, and trusted Agile Combat Support (ACS) information. This information will have the appropriate level of security needed for the Air Expeditionary Forces (AEF) to execute the Air Force mission throughout the full spectrum of military operations. The GCSS-AF program modernizes, consolidates, develops, and integrates Air Force and Department of Defense combat support information systems.

The infrastructure and provided Air Force enterprise common services are a critical basis for the target common computing environment (CCE) effort which Air Force Guidance Memorandum has directed for all new and modernizing IT applications. This effort is the Air Force evolution to DoD Joint Information Environment (JIE) leveraging Core Data Centers (CDCs) and DISA-brokered cloud capabilities in compliance with the Air Force Information Technology (AF IT) baselines. This framework is a set of baseline-driven platform and infrastructure services in both physical and virtual hosting environments. It is comprised of development tools, an initial set of enterprise services, and governance processes critical to JIE management.

This system is implemented and sustained worldwide and supports both wartime and peacetime requirements using hardware, software, and communications capabilities available from standard open systems government contracts and communications infrastructure programs. In this manner, GCSS-AF avoids added costs, removes business processing inefficiencies, reduces deployment footprint, and improves the speed with which information flows.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force	Date: February 2015
--	----------------------------

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 0303141F / <i>Global Combat Support System</i>
--	---

Activities also include capability development of an automated risk management framework to assess and mitigate cyber and other threats to Air Force information technology and mission assets. This capability eliminates stove pipes and provides commanders with better situational awareness of vulnerabilities. Additionally, this capability promotes efficiency and sound resource allocation by enabling commanders to make better decisions when selecting risk reduction counter measures.

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)	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	0.725	0.692	0.662	-	0.662
Current President's Budget	0.725	0.692	-	-	-
Total Adjustments	-	-	-0.662	-	-0.662
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-0.662	-	-0.662

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303141F / Global Combat Support System				Project (Number/Name) 675046 / Systems Engineering & Integration			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
675046: Systems Engineering & Integration	-	0.725	0.692	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2016, components of project number 675046, Systems Engineering & Integration, efforts were transferred from PE 0303141F, Global Combat Support Systems (GCSS) to Program B02000 Global Force Management, PE 0303142F, Global Force Management - Data Initiative (GFM-DI) in order to provide better visibility of costs associated with GFM-DI.

In FY2015, project number 675046 Systems Engineering & Integration, efforts were transferred from PE 0303141F, Global Combat Support Systems (GCSS) to project number 66ACSI, Acquisition and Command Support (ACSI), PE 0308602F, Enterprise Information Services (EIS), in order to provide better visibility of costs associated with evolution to a Cloud Computing Environment (CCE) now called Common Computing Environment (CCE).

In FY2015 efforts in project 675046, Systems Engineering and Integration, will complete.

A. Mission Description and Budget Item Justification

Global Combat Support System-Air Force (GCSS-AF) provides the warfighter and supporting elements with timely, accurate, and trusted Agile Combat Support (ACS) information. This information will have the appropriate level of security needed for the Air Expeditionary Forces (AEF) to execute the Air Force mission throughout the full spectrum of military operations. The GCSS-AF program modernizes, consolidates, develops, and integrates Air Force and Department of Defense combat support information systems.

The infrastructure and provided Air Force enterprise common services are a critical basis for the target common computing environment (CCE) effort which Air Force Guidance Memorandum has directed for all new and modernizing IT applications. This effort is the Air Force evolution to DoD Joint Information Environment (JIE) leveraging Core Data Centers (CDCs) and DISA-brokered cloud capabilities in compliance with the Air Force Information Technology (AF IT) baselines. This framework is a set of baseline-driven platform and infrastructure services in both physical and virtual hosting environments. It is comprised of development tools, an initial set of enterprise services, and governance processes critical to JIE management.

This system is implemented and sustained worldwide and supports both wartime and peacetime requirements using hardware, software, and communications capabilities available from standard open systems government contracts and communications infrastructure programs. In this manner, GCSS-AF avoids added costs, removes business processing inefficiencies, reduces deployment footprint, and improves the speed with which information flows.

Activities also include Enterprise Protection Risk Management (EPRM), a capability development of an automated risk management framework to assess and mitigate cyber and other threats to Air Force information technology and mission assets. This capability eliminates stove pipes and provides commanders with better situational

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force						Date: February 2015					
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>		Project (Number/Name) 675046 / <i>Systems Engineering & Integration</i>						
awareness of vulnerabilities. Additionally, this capability promotes efficiency and sound resource allocation by enabling commanders to make better decisions when selecting risk reduction counter measures. 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. Accomplishments/Planned Programs (\$ in Millions)						FY 2014	FY 2015	FY 2016			
Title: Develop Enterprise Protection Risk Management (EPRM) Description: Enterprise Protection Risk Management (EPRM) is an automated and standardized risk management application designed to support the Defense Security Enterprise in mitigating security risks to Air Force assets. EPRM addresses cyber, physical, information, industrial security, as well as program protection planning. EPRM prioritizes Courses of Action (COAs) for relative value to protect multiple assets from multiple threat tactics, techniques, and procedures. EPRM received certification and accreditation and hosting was established at DISA. Also, the Defense Business Council reviewed EPRM for Business Enterprise Architecture compliance and certified FY 13 and FY 14 expenditures. FY 2014 Accomplishments: Based on Alpha Test results, AFMC requested immediate deployment of EPRM for operational test and evaluation. EPRM was fielded at Wright-Patterson and Hanscom AFB's. EPRM is also being rolled out to AFRC and USAFE and training has been developed to support roll-out to additional MAJCOMs. Joint Staff recommended the Joint Staff Integrated Vulnerability Assessment (JSIVA) Benchmarks be included in EPRM and work has begun to incorporate the benchmarks in EPRM. EPRM's Operations Security Risk Assessment module was made available for use across the Department of Defense. FY 2015 Plans: Continue production of EPRM including roll-out, testing, and software enhancement to remaining MAJCOMs. Complete addition of JSIVA benchmarks. Incorporate Insider Threat mitigation countermeasures to improve risk analysis.						0.725	0.692	-			
Accomplishments/Planned Programs Subtotals						0.725	0.692	-			
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF: BA07: Line Item # 834330: GCSS-AF FoS	3.038	-	-	-	-	-	-	-	-	Continuing	Continuing
Remarks											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>	Project (Number/Name) 675046 / <i>Systems Engineering & Integration</i>
D. Acquisition Strategy EPRM RDT&E funding will be placed on cost-plus-fixed fee contract to support continued development and enhancement of COTS software. Alion Science and Technology is the prime contractor. Contract No.: SP0700-99-D-03010260		
E. 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.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>				Project (Number/Name) 675046 / <i>Systems Engineering & Integration</i>					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Develop Enterprise Protection Risk Management (EPRM)	C/CPFF	Alion Science and Technology : Alexandria, VA	-	0.725	Jan 2014	0.692	Jan 2014	-	Jan 2015	-		-	Continuing	Continuing	TBD
Subtotal			-	0.725		0.692		-		-		-	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA)	Various	VARIOUS : VARIOUS,	-	-		-		-		-		-	Continuing	Continuing	TBD
Subtotal			-	-		-		-		-		-	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.725		0.692		-		-		-	-	-	-
Remarks None.															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			Project (Number/Name)
3600 / 7		PE 0303141F / Global Combat Support System			675046 / Systems Engineering & Integration

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
EPRM Production																												
Test																												
EPRM Testing																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>	Project (Number/Name) 675046 / <i>Systems Engineering & Integration</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EPRM Production	1	2014	4	2016
Test	1	2017	1	2018
EPRM Testing	1	2014	4	2016

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>				Project (Number/Name) 676027 / <i>Global Force Mgt Initiative</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
676027: <i>Global Force Mgt Initiative</i>	-	-	-	-	-	-	0.159	0.106	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
Mission Description not provided.

<u>B. Accomplishments/Planned Programs (\$ in Millions)</u>	FY 2014	FY 2015	FY 2016
<i>Title:</i> No data provided	-	-	-
<i>FY 2014 Accomplishments:</i> No data provided			
Accomplishments/Planned Programs Subtotals	-	-	-

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

Remarks

D. Acquisition Strategy
N/A

E. 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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0303141F / <i>Global Combat Support System</i>					Project (Number/Name) 676027 / <i>Global Force Mgt Initiative</i>					

Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-

			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force																Date: February 2015			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0303141F / Global Combat Support System								Project (Number/Name) 676027 / Global Force Mgt Initiative			

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303141F / Global Combat Support System	Project (Number/Name) 676027 / Global Force Mgt Initiative

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EPRM Production and Testing	1	2017	2	2018