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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0708012F: Logistics Support Activities							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	0.944	0.577	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
673318: Product Data Systems Modernization (PDSM)	-	0.944	0.577	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The Aircraft Structural Integrity Management Information System (ASIMIS) and ASIP operate as directed by AFPD 63-10 and MIL-STD-1530C. ASIMIS responsibilities include: Receiving, storing and reporting recorder downloads from all aircraft. Track and report quality control data for flight data recorders (Structural Data Recorder, Crash Survivable Flight Data Recorder, etc...), monitor usage, severity and any accumulated damage by plane and base, analyze the data, calculate crack growth in key locations in the airframe structure, project crack growth in order to provide a basis for maintenance scheduling, maintain a complete flight hour and calendar date history of each aircraft. This project supports the implementation of the software package Air Force Grow (AFGROW) in the ASIMIS suite of tools to support the Aircraft Structural Integrity Program (ASIP) community. AFGROW is a crack prediction software package owned and operated by LexTech Inc. Originally developed under the name ASDGRO in 1985, AFGROW was owned and operated by the United States Air Force through version 4.0012.15. AFGROW will be used by Air Force structural engineers to predict the life expectancy of a/c components for a variety of weapon systems under cyclic loading under the assumption that defects exist. AFGROW is also used to address maintenance requirements if/when damage is identified within a component. Funding will be used to provide software licenses and training ASIP managers and weapon system engineers. Funding will also be used to provide for the research and development of software upgrades to suit ASIP manager needs. This project supports the implementation of the software package Probability of Failure (PROF) in the ASIMIS suite of tools to support the Aircraft Structural Integrity Program (ASIP) community. PROF is a risk analysis software package owned and distributed by the United States Air Force. PROF is used by Air Force structural engineers to predict the probability of failure of a weapon system under specified usages. PROF provides for the ability to set inspection/maintenance schedules before failure occurs, without creating excess/unnecessary inspections that would impair mission readiness. ETIMS Program baseline transferred from PE 78611F BPAC 673318 to PE 78012F BPAC 673318 beginning in FY13 -- Air Force Technical Order functionality implementation of the Enhanced Technical Information System (ETIMS) Enterprise. Provides for modify the ETIMS system to support Nuclear Weapons Related Material (NWRM) technical data requirements. 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.												

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B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		0.944	0.577	0.581	-	0.581
Current President's Budget		0.944	0.577	0.000	-	0.000
Total Adjustments		0.000	0.000	-0.581	-	-0.581
• Congressional General Reductions		-	0.000			
• Congressional Directed Reductions		-	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		-	0.000			
• Congressional Directed Transfers		-	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	-0.581	-	-0.581
Change Summary Explanation BPAC 673318 funding for FY14 and out was moved to PE 0708611F.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: ASIMIS Modernization				0.544	0.100	0.000
Description: Mainframe Modernization						
FY 2012 Accomplishments:						
- Mainframe to Server Migration						
- Web Modernization						
- Miscellaneous Enhancements						
FY 2013 Plans:						
- Web Modernization						
- Miscellaneous Enhancements						
Title: AFGROW				0.200	0.100	0.000
Description: AFGROW						
FY 2012 Accomplishments:						
- Purchase Software Licensing for 4 Sites						
- Provide Funding for Training for 4 Sites						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
- Continue Software Updating				
FY 2013 Plans: - Purchase Software Licensing for 4 Sites - Provide Funding for Training for 4 Sites - Continue Software Updating				
Title: PROF Description: PROF FY 2012 Accomplishments: - Continue Software Updating FY 2013 Plans: - Continue Software Updating		0.200	0.100	0.000
Title: ETIMS Enhancements Description: ETIMS Modernization FY 2012 Accomplishments: . FY 2013 Plans: Continue ETIMS enhancements and incorporate technical Data activities and technical integration. Incorporate management and support of AF technical data activities. N/A		0.000	0.277	0.000
Accomplishments/Planned Programs Subtotals		0.944	0.577	0.000

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D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• ASIMIS , Operations and Maintenance: <i>N/A</i>	0.265	0.117	0.123		0.123	0.260	0.152	0.000	0.000	Continuing	Continuing
• ETIMS Sustainment: <i>ETIMS, 3400, 78012F</i>	5.507	5.206	4.647		4.647	4.477	4.234	4.315	0.000	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
ASIMIS will migrate the mainframe code to a new, modern, more manageable, and maintainable language. The acquisition will be a Cost Plus-Fixed Fee (CPFF) contract line item on a competitively awarded contract utilizing Full and Open Competition.											
ETIMS will incrementally develop enhancements to the existing project to ensure a user friendly, technically accurate, and current digital TO management solution at the point of use. The acquisition will be a Cost Plus Fixed Fee (CPFF) contract line item on a competitively awarded contract utilizing Full and Open Competition (FAR part 15).											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0708012F: Logistics Support Activities						PROJECT 673318: Product Data Systems Modernization (PDSM)			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PDSM	SS/FFP	TBD:Tinker AFB, OK	-	0.944	Dec 2012	0.577	Dec 2013	0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	0.944		0.577		0.000		0.000		0.000			
Remarks ASIMIS - Re-Host Analysis Effort - Re-host analysis of output data in new database environment ASIMIS - Mainframe Migration - Replicate mainframe functionality in mnew environment (PC) and language ASIMIS - Web Accessibility - web-accessible data mining and viewing															
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Project Cost Totals			0.000	0.944		0.577		0.000		0.000		0.000			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

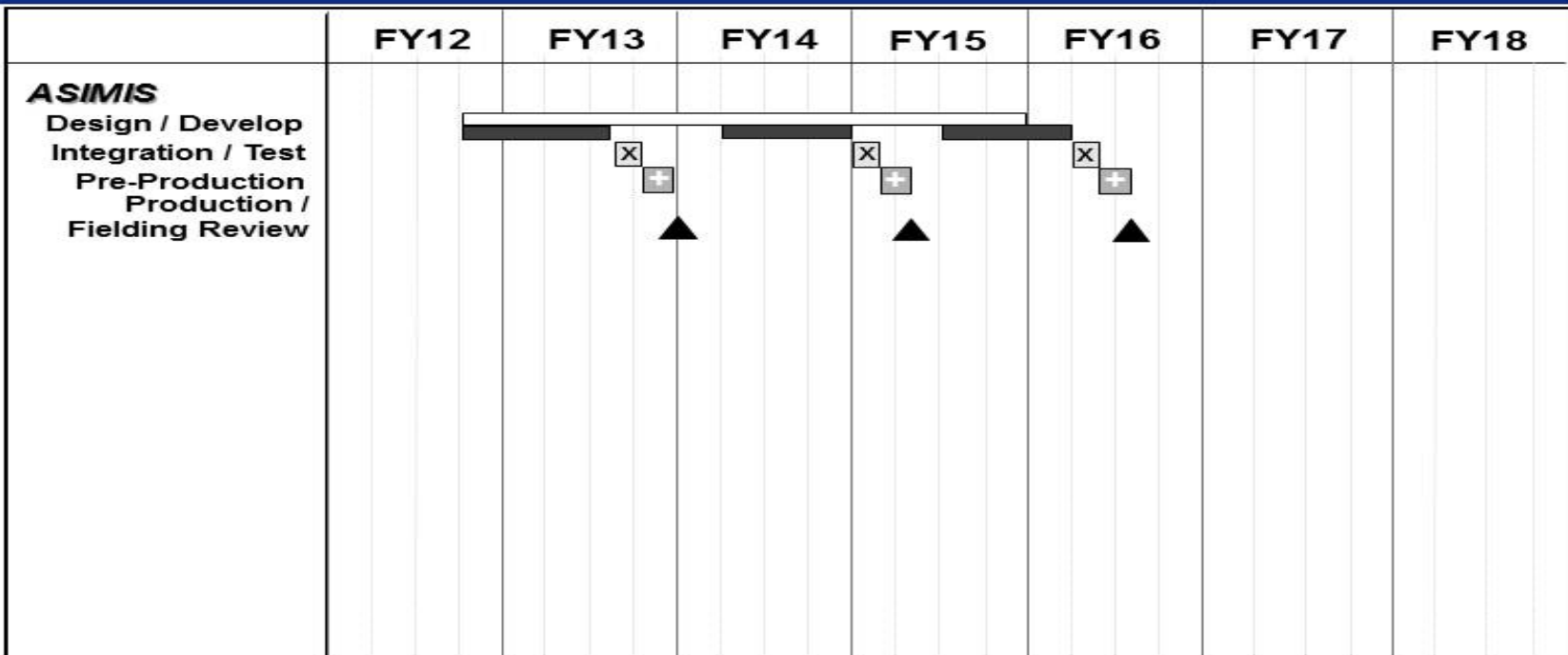
PE 0708012F: Logistics Support Activities

PROJECT

673318: Product Data Systems Modernization (PDSM)



Product Data Systems Modernization (PDSM) Schedule –ASIMIS PE 78012F



Concept Activities
 Design / Development
 X Integration / Test
 + Pre-Production
 Deploy / Release

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force		DATE: April 2013
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ASIMIS Design and Development	4	2012	1	2016
ASIMIS Integration and Test	3	2013	2	2016
ASIMIS Pre-Production	4	2013	3	2016
ASIMIS Production and Fielding	4	2013	3	2016