

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0708611F: <i>Support Systems Development</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	14.230	6.141	10.990	-	10.990	5.797	6.385	6.474	6.588	Continuing	Continuing
673318: <i>Product Data Systems Modernization (PDSM)</i>	-	0.562	0.549	-	0.549	0.576	0.585	0.593	0.604	Continuing	Continuing
675042: <i>Log Application Logistics Integration (LALI)</i>	6.639	5.579	10.441	-	10.441	5.221	5.800	5.881	5.984	Continuing	Continuing
675044: <i>Logistics Systems Development (LSD)</i>	7.591	-	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element supports two active projects, 3318 and 5042, and a third, 5044, provides a budgetary accounting location for projects funded through Congressional interest. Product Data System Modernization (PDSM), (project 3318), upgrades Air Force digital data standards to commercial industry standards supporting the Joint Computer-Aided Acquisition Logistic Support (JCALS) System. Logisitics Application Logistics Integration (LALI), (project 5042), is the effort to migrate existing Installations and Logistics (IL) legacy systems to the common Global Combat Support System - Air Force (GCSS-AF) Integration Framework (IF). Logistics Systems Development (LSD), (project 5044), provides a budgetary accounting location for various projects having Congressional interest.

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 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	6.288	6.141	12.031	-	12.031
Current President's Budget	14.230	6.141	10.990	-	10.990
Total Adjustments	7.942	-	-1.041	-	-1.041
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-0.160	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-1.520	-			
• SBIR/STTR Transfer	-0.182	-			
• Other Adjustments	9.804	-	-1.041	-	-1.041

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force	DATE: February 2011
--	----------------------------

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>
--	---

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 675044: *Logistics Systems Development (LSD)*

Congressional Add: *ALC Logistics Integration Environment*

Congressional Add: *Accelerator-Driven Non-Destructive Testing*

Congressional Add: *Engine Health Management Plus Data Repository Center*

Congressional Add: *Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing*

Congressional Add: *Tech Order Modernization*

Congressional Add Subtotals for Project: 675044

Congressional Add Totals for all Projects

FY 2010	FY 2011
0.800	-
2.000	-
2.400	-
1.191	-
1.200	-
7.591	-
7.591	-

Change Summary Explanation

In FY 2010: \$31.8M was added to PE 78611F for various projects having Congressional interest. \$24.7M of these funds were moved out of PE 78611F via reprogramming to PE 72976F. The projects moved to PE 72976F include: Demonstration and Validation of Renewable Energy Technology (\$0.8M), Alternate Energy Research and Integration (\$18.4M), Assessment of Alternate Energy for Aircraft Ground Equipment (AGE) (\$1.6M), Freedom Fuels/Coal Fuel Alliance (\$3.9M). The remaining \$7.2M of these funds will be executed out of PE 78611F Project 5044. These projects include: ALC Logistics Integration Environment (\$0.8M), Accelerator-Driven Non-Destructive Testing (\$2.0M), Engine Health Management Plus Data Repository Center (\$2.4M), Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing (\$0.8M), Technical Order Modernization (\$1.2M). The Air Force will direct these funds to the correct program office for execution. In addition, \$3.9M was added to Project 675042 Logistics Analysis Logistics Integration (LALI) to initiate the Civil Engineer's (CE) Information Technology (IT) Transformation effort to transform CE's business processes to better serve the CE customers and meet Air Force Transformational Goals.

In FY 2011: No program adjustments.

In FY 2012: \$5.8M was added to Project 675042 LALI to initiate and implement planned legacy system development for the Integrated Maintenance Data System (IMDS) and other outdated legacy logistics information technology systems which must be replaced, modified, or upgraded to sustain these systems for the warfighter.

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development				PROJECT 673318: Product Data Systems Modernization (PDSM)			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
673318: Product Data Systems Modernization (PDSM)	-	0.562	0.549	-	0.549	0.576	0.585	0.593	0.604	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
<p>This project implements the Air Force Technical Order (TO) functionality. The Enhanced Technical Information Management System (ETIMS) Enterprise is an integration of custom developed software with new and existing applications/components of Electronic Technical Order Viewer, Joint Computer-aided Acquisition and Logistics Support (JCALS), and Document Automation and Production Service (DAPS) On-Demand printing and distribution service. It will provide user friendly, technically accurate, and up-to-date digital technical data at the point of use that is acquired, sustained, distributed, and available in digital format from a single point of access for all technical data users. ETIMS will develop new software and integrate existing TO databases. Activities also include studies and analysis to support both current and future program planning and program execution to include Nuclear Weapons Related Material (NWRM) technical data requirements.</p> <p>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.</p>											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: ETIMS							-	0.562	0.549	-	0.549
Description: Air Force Technical Order functionality implementation of Enhanced Technical Information System (ETIMS) Enterprise. Activities also include studies and analysis to support both current and future program planning and program execution to include Nuclear Weapons Related Material (NWRM) technical data requirements.											
FY 2010 Accomplishments: ETIMS development delayed for higher Air Force priorities.											
FY 2011 Plans: Continue ETIMS enhancements and incorporate technical data activities and technical integration. Address potential nuclear related material management requirements.											
FY 2012 Base Plans:											

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force						DATE: February 2011					
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>			PROJECT 673318: <i>Product Data Systems Modernization (PDSM)</i>					
B. Accomplishments/Planned Programs (\$ in Millions)						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
Continue ETIMS enhancements and incorporate technical Data activities and technical integration. Incorporate management and support of AF technical data activities.											
<i>FY 2012 OCO Plans:</i> None.											
Accomplishments/Planned Programs Subtotals						-	0.562	0.549	-	0.549	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• N/A: <i>Not Applicable</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
D. Acquisition Strategy											
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).											
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 2012 Air Force										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE				PROJECT				
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					PE 0708611F: Support Systems Development				673318: Product Data Systems Modernization (PDSM)				
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Manage and Support Technical Data Services	C/TBD	NGIT 754 ELSG/ILMT:Wright-Patterson AFB, OH	-	0.200	Feb 2011	0.200	Apr 2012	-		0.200	Continuing	Continuing	TBD
Technical Data Integrator/Developer Support	C/CPFF	SAIC 754 ELSG/ILMT:Wright-Patterson AFB, OH	-	0.262	Feb 2011	0.249	Apr 2012	-		0.249	Continuing	Continuing	TBD
Subtotal			-	0.462		0.449		-		0.449			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Program Office (SPO) Operations	C/TBD	OASIS 754 ELSG/ILMT:Wright-Patterson AFB, OH	-	0.100	Feb 2011	0.100	Apr 2012	-		0.100	Continuing	Continuing	TBD
Subtotal			-	0.100		0.100		-		0.100			

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force						DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>			PROJECT 673318: <i>Product Data Systems Modernization (PDSM)</i>		

	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	0.562	0.549	-	0.549			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 673318: <i>Product Data Systems Modernization (PDSM)</i>

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 673318: <i>Product Data Systems Modernization (PDSM)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Production/Fielding-1	4	2011	1	2012
Field Readiness Review1 (FRR1)	4	2011	4	2011
Production/Fielding-2	4	2012	4	2012
FRR2	4	2012	4	2012
Design/Development-1	1	2011	2	2011
Design/Development-2	1	2012	2	2012
Pre-Production-1	3	2011	4	2011
Pre-Production-2	3	2012	4	2012
Integration & Test-1	2	2011	3	2011
Integration & Test-2	2	2012	3	2012

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development				PROJECT 675042: Log Application Logisitics Integration (LALI)			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
675042: Log Application Logisitics Integration (LALI)	6.639	5.579	10.441	-	10.441	5.221	5.800	5.881	5.984	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Logistics Application Logistics Integration (LALI) funding provides development in support of eLog21 initiatives. As the logistics transforms and streamlines its processes, new enterprise focused enablement is required. LALI supports the transformation initiatives like Repair Network Integration, Global Logistics Support Center, Weapon Systems Enterprise View, Equipment and Vehicle Enterprise views of data to make senior decisions. LALI funding enables these efforts to move away from localized systems, to enterprise tools. Continue Business Process Re-Engineering by use of the Service Development and Delivery Plan and to provide data discovery and migration support of Expeditionary Combat Support System (ECSS), PE 78611F. Provide studies and analysis of current and future state Service Oriented Architecture (SOA) and Platform as a Service (PaaS) capabilities. Activities in this Project also include FY2009 Congressional Adds for non-LALI work. The AF has directed these funds to the correct program office for execution.

In FY10 this Project also included the Civil Engineer's (CE) Information Technology (IT) Transformation effort. The CE IT Transformation's mission is to transform CE's business processes to better serve the CE customers and meet Air Force Transformational Goals. The plan is to leverage industry best practices, optimize core business processes, and replace existing outdated IT capabilities with a set of commercial off-the-shelf (COTS) software solutions and a service provider to deploy and maintain the system. This COTS solution will provide a robust, enterprise-wide CE capability and will consist of an integrated set of embedded, configurable best business practices and capabilities to support a number of CE missions to include the following: Real Property Management; Work and Supply Management, Project Management, Energy Management, Housing Management, Financial Management, Environmental Management, Planning, Emergency Services, Fire Operations and EOD. Starting in FY12, CE IT Transformation will be funded in PE 0901279F, Facilities Operations-Administrative, in Project 671017, CE IT Transformation.

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 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Logistics Application Logistics Integration (LALI)	6.639	5.579	10.441	-	10.441
Description: LALI funding provides development in support of eLog21 initiatives. As the logistics transforms and streamlines its processes, new enterprise focused enablement is required. LALI supports the transformation initiatives like Repair Network Integration, Global Logistics Support Center, Weapon Systems Enterprise View, Equipment and Vehicle Enterprise views of data to make senior decisions. LALI funding enables these efforts to move away from localized systems, to enterprise tools. Continue Business Process Re-Engineering by					

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force			DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development		PROJECT 675042: Log Application Logisitics Integration (LALI)			
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<p>use of the Service Development and Delivery Plan and to provide data discovery and migration support of Expeditionary Combat Support System (ECSS), PE 78611F. Provide studies and analysis of current and future state Service Oriented Architecture (SOA) and Platform as a Service (PaaS) capabilities. The following LALI projects will continue: LALI Program Management Office (PMO) Support, LALI PMO Tasks (Supporting Integration and Development), LALI Systems Engineering Base Support & Test development Range, LALI Systems Engineering Contractor Support (Product Development), LALI Integration Task Contracts, LALI Service Oriented Architecture (SOA) Support, LALI Community of Interest (COI) Support.</p> <p>FY 2010 Accomplishments: Performed Business Process Re-Engineering by use of a Services Development and Delivery Plan (SDDP) on new IT Projects. Produced bounded user requirements through a Performance Requirement Model (PRM) and Business Requirements Model (BRM) for Deployment Readiness Service and Munitions View. Continued multi-year LALI effort to migrate Logistics Installations and Mission Support legacy systems to the common Global Combat Support System – Air Force Data Services (GCSS-AFDS).</p> <p>Initiate Project 675042 LALI planning and scheduling activities in association with the Civil Engineer's (CE) Information Technology (IT) Transformation effort.</p> <p>FY 2011 Plans: LIMS-EV Continue Business Process Re-Engineering by use of the Service Development and Delivery Plan and to provide data discovery and migration support of Expeditionary Combat Support System (ECSS), PE 78611F. Provide studies and analysis of current and future state Service Oriented Architecture (SOA) and Platform as a Service (PaaS) capabilities. Continue CE IT Transformation activities.</p> <p>Perform activities in association with the Civil Engineer's (CE) Information Technology (IT) Transformation effort. Leveraged industry best practices, optimize core business processes, and replace existing outdated IT capabilities with a commercial off-the-shelf (COTS) software solution and a service provider to deploy and maintain the system. This COTS solution will provide a robust, enterprise-wide CE capability and will consist of an integrated set of embedded, configurable best business practices and capabilities to support a number of CE missions to include the following: Real Property Management; Work & Supply Management, Project Management, and Energy Management.</p> <p>FY 2012 Base Plans:</p>							

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force				DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>		PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>		
B. Accomplishments/Planned Programs (\$ in Millions)						
		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Continue to support Business Process Re-Engineering by use of for new IT requirements. Continue support of ECSS. Continue to support LIMS studies and analysis of SOA and PaaS. Continue to develop, implement, update, and support legacy and follow-on logistics systems.						
Complete Project 675042 LALI activities in association with the Civil Engineer's (CE) Information Technology (IT) Transformation effort. Complete concept design development and testing activities prior to Initial Operational Capability.						
Initiate IMDS/Legacy modernization for Combat Ammunition System(CAS) to modify the inventory program, Deployment Readiness Service spiral developments, IMDS-TBA upgrade to training modules, IMDS-EMOC munitions control Integration interfaces.						
FY 2012 OCO Plans: None.						
Accomplishments/Planned Programs Subtotals		6.639	5.579	10.441	-	10.441
C. Other Program Funding Summary (\$ in Millions)						
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete Total Cost
• N/A: <i>Not Applicable</i>	0.000	0.000	0.000	0.000	0.000	0.000 Continuing Continuing
D. Acquisition Strategy						
<p>The Engineering & Integration Architecture (EIPA) Flight of the 643rd Electronic Systems Squadron (ELSS) manages the logistics systems engineering and integration issues for the Air Force. EIPA performs a set of activities required by the 754th GCSS-AF to deliver world-class capabilities to our customers. This includes enterprise architecture, engineering technical and functional support of services for the development, integration, installation of modernized Logistics Information Systems, maintenance, and deactivation of redundant systems. The focus is on facilitating the improvement of the systems efficiency through integration and technology insertion and exploiting GCSS-AF provided data services and business intelligence as we move to Service Oriented Architecture (SOA) based exposure of data.</p> <p>Legacy IT programs will incrementally develop enhancements for such programs as IMDS and others to enable continued required capabilities.</p> <p>LALI will continuously develop logistics enterprise systems using common software and hardware products requiring a small number of interfaces. These products will be competitively acquired using a variety of fixed price and cost plus contracts.</p>						

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>
<p>The CE IT Transformation effort will apply a two phase acquisition process. Phase I will consist of selecting a software product and conducting software configuration. Phase II will select a service provider to test, deploy, and maintain the solution.</p> <p><u>E. Performance Metrics</u></p> <p>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>		

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0708611F: Support Systems Development				675042: Log Application Logisitics Integration (LALI)					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Provide LALI Systems Engineering Base Support & Test Development Range	C/TBD	AF/A4/7:Pentagon, DC	0.053	-		-		-		-	0.000	0.053	0.053
Continue LALI Program Management Office (PMO) Support	C/TBD	AF/A4/7:Pentagon, DC	1.020	0.060	Mar 2011	0.061	Mar 2012	-		0.061	Continuing	Continuing	TBD
Continue LALI PMO Tasks (Supporting Integration and Development)	C/TBD	AF/A4/7:Pentagon, DC	2.205	1.309	Mar 2011	1.325	Mar 2012	-		1.325	Continuing	Continuing	TBD
Continue LALI Systems Engineering Contractor Support (Product Development)	C/TBD	AF/A4/7:Pentagon, DC	5.721	1.890	Mar 2011	1.920	Mar 2012	-		1.920	Continuing	Continuing	TBD
Continue LALI Integration Task Contracts	C/TBD	AF/A4/7:Pentagon, DC	0.261	0.126	Mar 2011	0.128	Mar 2012	-		0.128	Continuing	Continuing	TBD
LALI Service Oriented Architecture (SOA) Support	MIPR	AF/A4/7:Pentagon, DC	0.500	1.097	Mar 2011	1.111	Mar 2012	-		1.111	Continuing	Continuing	TBD
LALI Community of Interest (COI) Support	MIPR	AF/A4/7:Pentagon, DC	0.500	1.097	Mar 2011	1.111	Mar 2012	-		1.111	Continuing	Continuing	TBD
IMDS/Legacy Modernization	TBD	AF/A4/7:Pentagon, DC	-	-		4.785	Apr 2012	-		4.785	0.000	4.785	5.800
CE IT Transformation	TBD	AF/A4/7:Pentagon, DC	3.945	-	Apr 2011	-		-		-	0.000	3.945	TBD
Subtotal			14.205	5.579		10.441		-		10.441			
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>				PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>					

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	14.205	5.579		10.441		-		10.441			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Metadata Repository (Automate/Updates)	1	2010	4	2012
Metadata Repository (Automate/Updates) Pilot R1A	4	2010	4	2010
Metadata Repository (Automate/Updates) Pilot R1B	1	2011	1	2011
Metadata Repository (Automate/Updates) Pilot R1C	3	2011	3	2011
Logistics Enterprise Architecture (LogEA) Plan	1	2010	4	2012
LogEA Update01	4	2010	4	2010
LogEA Update02	4	2011	4	2011
LogEA Update03	4	2012	4	2012
Logistics Data Interface (Log DI) Transition Plan	1	2010	4	2012
Business Intelligence (BI) R1A	4	2011	4	2011
BI R1B	2	2012	3	2012
BI R1C	4	2012	4	2012
Portfolio Management Process Updates	1	2010	4	2012
Logistics Information Requirements (LogIR) Analysis/Updates	1	2010	4	2012
LogIR Operational Test & Evaluation (OT&E) Release 1 (R1)	4	2010	4	2010
LogIR OT&E Pilot R2	4	2012	4	2012
IMDS Legacy Enhancement/Design Support (LEDS)	1	2010	4	2012
IMDS LEDS, Legacy Enhancement Release Cost 1 (LERC1) Rough Order of Magnitude (ROM)	4	2011	1	2012
IMDS LEDS, LERC2 ROM	4	2012	4	2012
CE IT Transformation Concept & Design Development	1	2010	4	2012
CE IT Transformation Software Aquisition	4	2010	4	2011
CE IT Transformation Configure and Test	4	2011	4	2012

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675042: <i>Log Application Logisitics Integration (LALI)</i>

Events	Start		End	
	Quarter	Year	Quarter	Year
CE IT Transformation Initial Operational Capability (IOC)	4	2012	4	2012

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development				PROJECT 675044: Logistics Systems Development (LSD)			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
675044: Logistics Systems Development (LSD)	7.591	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Logistics Systems Development (LSD) is a budgetary accounting location for various LSD projects having Congressional interest.

In FY 2010 these LSD projects include ALC Logistics Integration, Engine Health Management Plus Data Repository Center, Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing, and Technical Order Modernization. The Air Force will direct these funds to the correct program office for execution.

The following projects were transferred via technical adjustments from PE 78611F to PE 72976F: Accelerator-Driven Non-Destructive Testing, Alternate Energy Research and Integration, Assessment of Alternate Energy for Aircraft Ground Equipment (AGE), Demonstration and Validation of Renewable Energy Technology, and Freedom Fuels/Coal Fuel Alliance.

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 2010	FY 2011
Congressional Add: ALC Logistics Integration Environment	0.800	-
FY 2010 Accomplishments: Initiate ALC Logistics Integration Environment project.		
FY 2011 Plans: Continue ALC Logistics Integration Environment project.		
Congressional Add: Accelerator-Driven Non-Destructive Testing	2.000	-
FY 2010 Accomplishments: Initiate Accelerator-Driven Non-Destructive Testing project.		
FY 2011 Plans: Continue Accelerator-Driven Non-Destructive Testing project.		
Congressional Add: Engine Health Management Plus Data Repository Center	2.400	-
FY 2010 Accomplishments: Initiate Engine Health Management Plus Data Repository Center project.		
FY 2011 Plans: Continue Engine Health Management Plus Data Repository Center project.		
Congressional Add: Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing	1.191	-

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force	DATE: February 2011
---	----------------------------

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675044: <i>Logistics Systems Development (LSD)</i>
--	---	--

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011
FY 2010 Accomplishments: Initiate Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing project.		
FY 2011 Plans: Continue Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing project.		
Congressional Add: Tech Order Modernization	1.200	-
FY 2010 Accomplishments: Initiate Tech Order Modernization project.		
FY 2011 Plans: Continue Tech Order Modernization project.		
Congressional Adds Subtotals	7.591	-

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

Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• N/A: <i>Not Applicable</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

D. Acquisition Strategy

Logistics Systems Development (LSD) is a budgetary accounting location for various LSD projects having Congressional interest.

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

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0708611F: Support Systems Development				675044: Logistics Systems Development (LSD)					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ALC Logistics Integration Congressional Add	TBD	AFMC:WPAFB, OH	0.800	-		-		-		-	0.000	0.800	0.000
Accelerator-Driven Non-Destructive Testing Congressional Add	TBD	AFMC:WPAFB, OH	2.000	-		-		-		-	0.000	2.000	0.000
Engine Health Management Plus Data Repository Center Congressional Add	TBD	AFMC:WPAFB, OH	2.400	-		-		-		-	0.000	2.400	0.000
Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing Congressional Add	TBD	AFMC:WPAFB, OH	0.800	-		-		-		-	0.000	0.800	0.000
Technical Order Modernization Congressional Add	TBD	AFMC:WPAFB, OH	1.200	-		-		-		-	0.000	1.200	0.000
Subtotal			7.200	-		-		-		-	0.000	7.200	0.000
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>				PROJECT 675044: <i>Logistics Systems Development (LSD)</i>					

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	7.200	-		-		-		-	0.000	7.200	0.000

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development	PROJECT 675044: Logistics Systems Development (LSD)

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0708611F: <i>Support Systems Development</i>	PROJECT 675044: <i>Logistics Systems Development (LSD)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
LSD Congressional Add - ALC Logistics Integration	1	2010	4	2011
LSD Congressional Add - Accelerator-Driven Non-Destructive Testing	1	2010	4	2011
LSD Congressional Add - Engine Health Management Plus Data Repository Center	1	2010	4	2011
LSD Congressional Add - Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing	1	2010	4	2011
LSD Congressional Add - Technical Order Modernization	1	2010	4	2011