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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force | | | | | | | | | DATE: February 2010 | | |
|---|----------------|------------------|-----------------------|---|------------------------|------------------|------------------|------------------|---------------------|------------------|------------|
| APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development | | | | | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| Total Program Element | 22.133 | 38.258 | 6.141 | 0.000 | 6.141 | 6.231 | 6.323 | 6.415 | 6.506 | Continuing | Continuing |
| 673318: Product Data Systems Modernization (PDSM) | 0.483 | 0.578 | 0.562 | 0.000 | 0.562 | 0.575 | 0.579 | 0.588 | 0.596 | Continuing | Continuing |
| 675042: Log Application Logisitics Integration (LALI) | 21.650 | 5.710 | 5.579 | 0.000 | 5.579 | 5.656 | 5.744 | 5.827 | 5.910 | Continuing | Continuing |
| 675044: Logistics Systems Development (LSD) | 0.000 | 31.970 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| <p>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.</p> <p>This program is a Budget Activity 7, Operational System Development, because projects are being engineered to support already operational weapon systems.</p> | | | | | | | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force | | | | DATE: February 2010 | |
| APPROPRIATION/BUDGET ACTIVITY | | R-1 ITEM NOMENCLATURE | | | |
| 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development | | PE 0708611F: Support Systems Development | | | |
| B. Program Change Summary (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| Previous President's Budget | 15.820 | 6.288 | 0.000 | 0.000 | 0.000 |
| Current President's Budget | 22.133 | 38.258 | 6.141 | 0.000 | 6.141 |
| Total Adjustments | 6.313 | 31.970 | 6.141 | 0.000 | 6.141 |
| • Congressional General Reductions | | 0.000 | | | |
| • Congressional Directed Reductions | | 0.000 | | | |
| • Congressional Rescissions | 0.000 | 0.000 | | | |
| • Congressional Adds | | 31.970 | | | |
| • Congressional Directed Transfers | | 0.000 | | | |
| • Reprogrammings | 0.000 | 0.000 | | | |
| • SBIR/STTR Transfer | 0.000 | 0.000 | | | |
| • Other Adjustments | 6.313 | 0.000 | 6.141 | 0.000 | 6.141 |
| Congressional Add Details (\$ in Millions, and Includes General Reductions) | | | | | |
| Project: 675042: Log Application Logisitics Integration (LALI) | | | | | |
| Congressional Add: WR-ALC Strategic Airlift Aircraft Availabilitly Improvement | | | | | |
| Congressional Add: Accelerator-Driven non-Destructive Testing | | | | | |
| Congressional Add: Warner Robbins Air Logistics Center Special Operations Forces | | | | | |
| Congressional Add: Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery | | | | | |
| Congressional Add: Engineering Training and Knowledge Preservation System (ETKPS) | | | | | |
| Congressional Add: Engine Health Management Data Repository Center (EHMDRC) | | | | | |
| Congressional Add Subtotals for Project: 675042 | | | | | |
| Project: 675044: Logistics Systems Development (LSD) | | | | | |
| Congressional Add: ALC Logistics Integration Environment | | | | | |
| Congressional Add: Accelerator-Driven Non-Destructive Testing | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force | | DATE: February 2010 | |
| 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> | |
| <u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u> | | FY 2009 | FY 2010 |
| Congressional Add: <i>Alternate Energy Research and Integration</i> | | 0.000 | 18.450 |
| Congressional Add: <i>Assessment of Alternate Energy for Aircraft Ground Equipment</i> | | 0.000 | 1.600 |
| Congressional Add: <i>Demonstration and Validation of Renewable Energy Technology</i> | | 0.000 | 0.800 |
| Congressional Add: <i>Engine Health Management Plus Data Repository Center</i> | | 0.000 | 2.400 |
| Congressional Add: <i>Freedom Fuels/Coal Fuel Alliance</i> | | 0.000 | 3.920 |
| Congressional Add: <i>Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing</i> | | 0.000 | 0.800 |
| Congressional Add: <i>Technical Order Modernization</i> | | 0.000 | 1.200 |
| Congressional Add Subtotals for Project: 675044 | | 0.000 | 31.970 |
| Congressional Add Totals for all Projects | | 14.460 | 31.970 |
| <u>Change Summary Explanation</u> | | | |
| <p>In FY 2009, Congress added \$38.8M to PE 78611F for tasks that were placed in project 5042 but were for non LALI activities. \$31.04M of these funds were moved out of PE 78611F via technical adjustment; \$29.6M was moved to PE 72976F and \$1.44M was moved to PE 33141F. The tasks moved to PE 72976F include: Expeditionary 200 kW+ Alternative Power Generator (\$0.8M), Alternative Energy Fuel Cell Power (\$1.6M), Assessment of Alternative Energy for Aircraft Ground Equipment (\$1.6M), Eielson AFB Alternative Energy Source Program (\$2.4M), Freedom Fuels/Coal Fuels Alliance (\$3.2M), and Alternative Energy Research (\$20.0M). The task moved to PE 33141F is Technical Order Modernization Environment (\$1.44M). The remaining \$7.76M of these funds will be executed out of PE 78611F Project 5042. These tasks include: WR-ALC Strategic Airlift Aircraft Availablilty Improvement (\$3.360M), Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery (\$1.6M), Accelerator-Driven Non-Destructive Testing (\$2.0M), and Warner Robbins Air Logistics Center Special Operations Forces (\$0.8M). The AF will direct these funds to the correct program office for execution.</p> <p>Reductions in FY09 as a result of higher AF priorities.</p> <p>In FY 2010, \$31.970M to PE 78611F for various projects having Congressional interest. These Congressional interest projects include ALC Logistics Integration Environment (\$0.8M), Accelerator-Driven Non-Destructive Testing (\$2.0M), Alternate Energy Research and Integration (\$18.450M), Assessment of Alternate Energy for Aircraft Ground Equipment (AGE) (\$1.6M), Demonstration and Validation of Renewable Energy Technology (\$0.8M), Engine Health Management Plus Data Repository Center (\$2.4M), Freedom Fuels/Coal Fuel Alliance (\$3.920M), 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.</p> | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force | | DATE: February 2010 |
| APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0708611F: Support Systems Development | |
| <p>In FY 2011: The FY 2010 President's Budget submittal did not reflect FY 2011 through FY 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.</p> | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | | DATE: February 2010 | | | |
| 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 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 673318: Product Data Systems Modernization (PDSM) | 0.483 | 0.578 | 0.562 | 0.000 | 0.562 | 0.575 | 0.579 | 0.588 | 0.596 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| 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 & 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 program planning and execution and future program planning. | | | | | | | | | | | |
| This program is in Budget Activity 7, Operational System Development, because projects are being engineered to support operational weapon systems already in existence. | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| MAJOR THRUST: Air Force Technical Order functionality implementation of Enhanced Technical Information System (ETIMS) Enterprise. | | | | | | 0.483 | 0.578 | 0.562 | 0.000 | 0.562 | |
| FY 2009 Accomplishments: In FY 2009: Continue multi-year ETIMS effort to provide user friendly, accurate, up-to-date digital technical data to users at point-of-use. | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | DATE: February 2010 | | | | |
| 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 Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | |
| FY 2010 Plans: In FY 2010: Continue ETIMS. Develop and incorporate integration of custom developed software into legacy applications and components. | | | | | | | | | | | |
| FY 2011 Base Plans: In FY 2011: Continue ETIMS. Develop and incorporate technical data activities and integratortechical data integ. Incorporate Management and support of AF technical data activities | | | | | | | | | | | |
| FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable. | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | | | | 0.483 | 0.578 | 0.562 | 0.000 | 0.562 | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • PE Not Provided (8701): <i>Not Applicable</i> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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. | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | |
| 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> | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 activities | C/FP | NGIT 754 ELSG/ILMT Wright Patterson AFB, OH | 0.133 | 0.168 | Feb 2010 | 0.159 | Feb 2011 | 0.000 | | 0.159 | Continuing | Continuing | Continuing |
| Technical Data Integrator/Developer Support | C/CPFF | SAIC 754 ELSG/ILMT Wright Patterson AFB, OH | 0.284 | 0.330 | Feb 2010 | 0.335 | Feb 2011 | 0.000 | | 0.335 | Continuing | Continuing | Continuing |
| Subtotal | | | 0.417 | 0.498 | | 0.494 | | 0.000 | | 0.494 | | | |
| Remarks | | | | | | | | | | | | | |
| Management Services (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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/FP | OASIS 754 ELSG/ILMT Wright Patterson AFB, OH | 0.066 | 0.080 | | 0.068 | | 0.000 | | 0.068 | Continuing | Continuing | Continuing |
| Subtotal | | | 0.066 | 0.080 | | 0.068 | | 0.000 | | 0.068 | | | |
| Remarks | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | DATE: February 2010 | | | | |
| 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 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | 0.483 | 0.578 | | 0.562 | | 0.000 | | 0.562 | | | |
| Remarks Total Prior Years Cost may include only FY 2009 data. | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

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

R-1 ITEM NOMENCLATURE

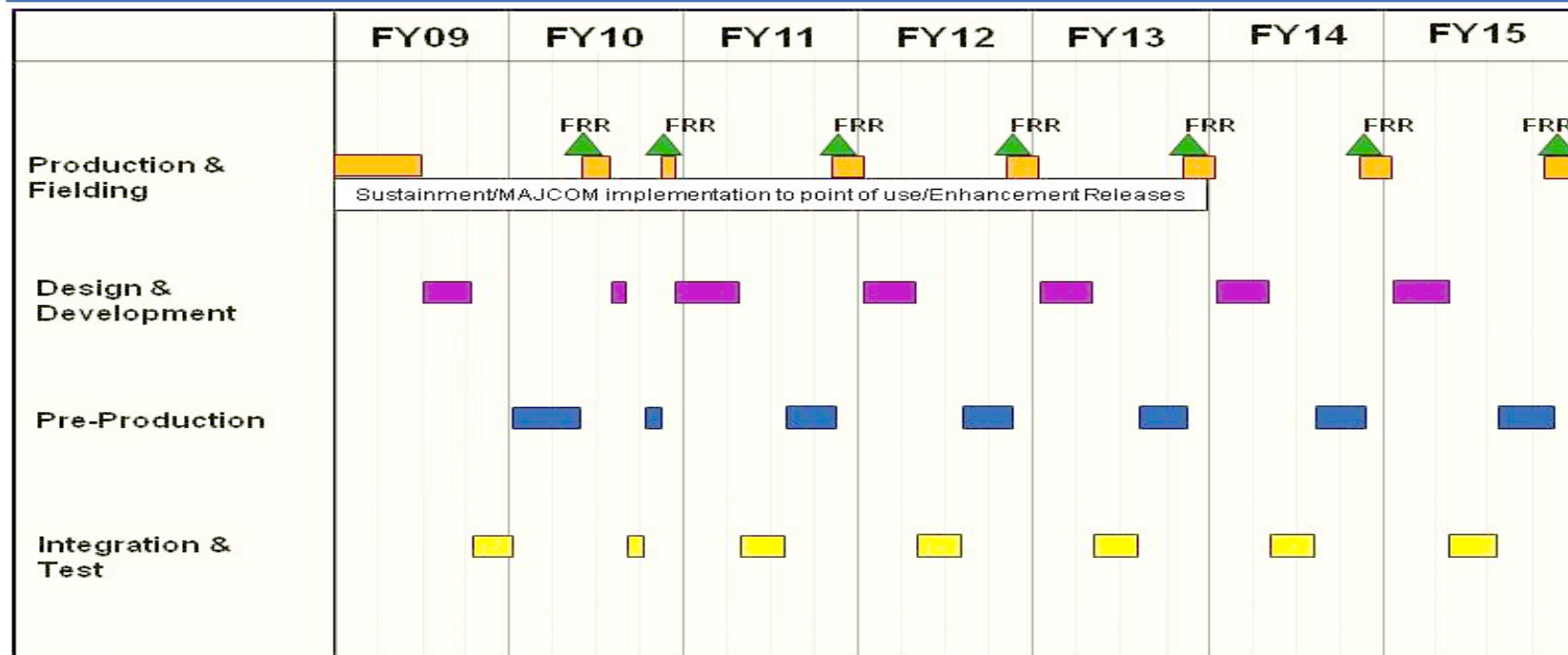
PE 0708611F: Support Systems Development

PROJECT

673318: Product Data Systems Modernization (PDSM)



Enhanced Technical Information Management System (ETIMS) Schedule



■ Concept activities
 ■ Design / development
 ■ Integration / test
 FRR – Field Readiness Review for Enhancement Releases
■ Production / fielding
■ Pre-Production
▲ Key events

Depicted by installation/production flow

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| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force | | | DATE: February 2010 |
| 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

| Event | Start | | End | |
|---------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Production/Fielding | 1 | 2009 | 4 | 2011 |
| Design/Development | 3 | 2009 | 2 | 2011 |
| Pre-Production | 1 | 2010 | 4 | 2010 |
| Integration/Test | 4 | 2009 | 3 | 2011 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | | DATE: February 2010 | | | |
| 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 Logistics Integration (LALI) | | | |
| COST (\$ in Millions) | FY 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 675042: Log Application Logistics Integration (LALI) | 21.650 | 5.710 | 5.579 | 0.000 | 5.579 | 5.656 | 5.744 | 5.827 | 5.910 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| Log Application Logistics Integration (LALI) is the effort to migrate existing Logistics Installations and Mission Support (LIMS) legacy systems to the common Global Combat Support System - Air Force Data Services (GCSS-AFDS) Integration Framework and provide integration support to assist this effort. The target is a suite of components that are continuously updated or refined to embrace emerging best practices and commercial information technology innovations. The strategic plan is the creation of a logistics enterprise system using common software and hardware products requiring a smaller number of interfacing transactions. | | | | | | | | | | | |
| LALI funding will also provide data discovery and data migration in support of the Expeditionary Combat Support System (ECSS) and provide the ability to keep corporate aggregated data available to senior decision makers during ECSS deployment by base. Activities also include studies and analysis to support both current program planning and execution and future program planning. | | | | | | | | | | | |
| Additionally, funding will initiate and implement planned legacy system development for the Integrated Maintenance Data System (IMDS) and other outdated systems which must be replaced, modified, or upgraded to sustain these IT systems for the warfighter. | | | | | | | | | | | |
| 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. | | | | | | | | | | | |
| This program is in Budget Activity 7, Operational System Development, because projects are being engineered to support operational weapons systems already in existence. | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | | | | | | |
| MAJOR THRUST: Logistics Application Logistics Integration (LALI) project | 7.190 | 5.710 | 5.579 | 0.000 | 5.579 | | | | | | |

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| 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 Program (\$ in Millions) | | | | | |
| | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total |
| FY 2009 Accomplishments: In FY 2009: Continue multi-year LALI effort to migrate Logistics Installations and Mission Support (LIMS) legacy systems to the common Global Combat Support System - Air Force Data Services (GCSS-AFDS). | | | | | |
| FY 2010 Plans: In FY 2010: Continue LALI. Provide data discovery and migration in support of Expeditionary Combat Support System (ECSS), PE 78610F. Provide studies and analysis to provide both current and future LIMS development and support, to include Integrated Maintenance Data System (IMDS), Service Oriented Architecture (SOA), and Community of Interest (COI). | | | | | |
| FY 2011 Base Plans: In FY 2011: Continue LALI. Continue ECSS support. Continue LIMS studies and analysis. Initiate, develop, implement, and support legacy and follow-on logistics systems. | | | | | |
| FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable. | | | | | |
| Accomplishments/Planned Programs Subtotals | 7.190 | 5.710 | 5.579 | 0.000 | 5.579 |
| | FY 2009 | FY 2010 | | | |
| Congressional Add: WR-ALC Strategic Airlift Aircraft Availabilitly Improvement FY 2009 Accomplishments: In FY 2009: Develop the C-5 MSG-3 maintenance program to convert the fleet to the new inspection program. In addition, funding was used to develop the C-17 transition plan and ensure the plan | 3.360 | 0.000 | | | |

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| B. Accomplishments/Planned Program (\$ in Millions) | | |
| | FY 2009 | FY 2010 |
| <p>complies with the C-17 business case analysis (BCA) course of action, as approved Chief of Staff (CoS).</p> <p><i>FY 2010 Plans:</i> In FY 2010: N/A</p> | | |
| <p>Congressional Add: Accelerator-Driven non-Destructive Testing</p> <p><i>FY 2009 Accomplishments:</i> In FY 2009: Researched a nondestructive inspection technology to characterize material integrity throughout the entire life cycle, thus providing a unique complementary tool for developing improved damage tolerance methodologies. The principles of positron annihilation spectroscopy (PAS) provides a nondestructive evaluation tool due to its inherent sensitivity range in which material defects can be detected.</p> <p><i>FY 2010 Plans:</i> In FY 2010: N/A</p> | 2.000 | 0.000 |
| <p>Congressional Add: Warner Robbins Air Logistics Center Special Operations Forces</p> <p><i>FY 2009 Accomplishments:</i> In FY 2009: Developed Enhancement Program (AREP) and High Velocity Maintenance (HVM) program through the development of standard visual work cards (SVWCs). SVWCs integrate maintenance technical instructions, inspect/repair data, and aircraft schematic drawings for various maintenance operations used by aircraft maintenance personnel. SVWCs will benefit the Air Force by creating efficiencies related to overall aircraft maintenance work card content management.</p> <p><i>FY 2010 Plans:</i> In FY 2010: N/A</p> | 0.800 | 0.000 |

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| B. Accomplishments/Planned Program (\$ in Millions) | | |
| | FY 2009 | FY 2010 |
| Congressional Add: Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery <i>FY 2009 Accomplishments:</i> In FY 2009: Demonstrates the feasibility of providing a Deployable Zinc-Bromide Flow Battery for use in a variety of applications including Micro-Grid Energy Storage. <i>FY 2010 Plans:</i> In FY 2010: N/A | 1.600 | 0.000 |
| Congressional Add: Engineering Training and Knowledge Preservation System (ETKPS) <i>FY 2009 Accomplishments:</i> In FY 2009: ETKPS provides the AFMC Science and Engineering workforce with competency mapping and knowledge preservation capabilities that are consistent with the SAF/AQR and AF/A1 Competency Development Initiative (CDI) competency mapping protocols. <i>FY 2010 Plans:</i> In FY 2010: N/A | 1.600 | 0.000 |
| Congressional Add: Engine Health Management Data Repository Center (EHMDRC) <i>FY 2009 Accomplishments:</i> In FY 2009: EHMDRC provides support for the development of the KC-135 Ultrasonic Inspection Equipment effort. <i>FY 2010 Plans:</i> In FY 2010: N/A | 5.100 | 0.000 |

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|---|----------------|----------------|-------------------------|---|--------------------------|----------------|--|----------------|----------------|-----------------------------|-------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | DATE: February 2010 | | | | |
| 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 Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | | | |
| Congressional Adds Subtotals | | | | | | | 14.460 | 0.000 | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2009 | FY 2010 | FY 2011 Base | FY 2011 OCO | FY 2011 Total | FY 2012 | FY 2013 | FY 2014 | FY 2015 | Cost To Complete | Total Cost |
| • PE Not Provided (9054): <i>Not Applicable</i> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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> | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| <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> | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | | |
| 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) | | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 | |
| LALI Support Contractor (Portfolio Management, Architecture, & Data Management) | C/FP | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 0.859 | 0.061 | Mar 2010 | 0.060 | Mar 2011 | 0.000 | | 0.060 | Continuing | Continuing | Continuing | |
| LALI Support Contractor (Data Management, Enterprise Architecture, & System Modernization support) | C/FP | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 1.158 | 0.934 | Mar 2010 | 0.976 | Mar 2011 | 0.000 | | 0.976 | Continuing | Continuing | Continuing | |
| LALI Support Contractor (Data Migration/ Warehousing) | MIPR | GCSS-AFDS WPAFB, OH | 2.079 | 0.079 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing | |
| LALI Support Contractor (Data Management) | C/FP | GCSS-AFDS WPAFB, OH | 1.106 | 0.828 | Jan 2010 | 0.822 | Mar 2011 | 0.000 | | 0.822 | Continuing | Continuing | Continuing | |
| LALI Service Oriented Architecture (SOA) Support | MIPR | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 0.000 | 1.106 | Mar 2010 | 1.097 | Mar 2011 | 0.000 | | 1.097 | Continuing | Continuing | Continuing | |
| LIMS Community of Interest (COI) Support | MIPR | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 0.000 | 1.106 | Mar 2010 | 1.097 | Mar 2011 | 0.000 | | 1.097 | Continuing | Continuing | Continuing | |
| WR-ALC Strategic Airlift Aircraft Availabilitly Improvement Congressional Add | SS/FFP | Intergraph Corporation Madison, AL | 6.065 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing | |
| | MIPR | | 2.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | |
| 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) | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 |
| Accerlator-Driven Non-Destructive Testing Congressional Add | | Counterproliferation Branch, 711 HPW/RHPC Brooks AFB, TX | | | | | | | | | | | |
| Warner Robbins Air Logistics Center Special Operations Forces Congressional Add | C/FP | Intergraph Corporation Madison, AL | 3.699 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing |
| Micro-Grid Energy Storage Utilizing a Deployable Zinc-Bromide Flow Battery Congressional Add | C/FFP | Premium Power, Inc. North Reading, MA | 1.600 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing |
| Engineering Training and Knowledge Preservation System (ETKPS) Congressional Add | TBD/TBD | TBD TBD | 1.600 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing |
| Engine Health Management Data Repository Center (EHMDRC) Congressional Add | TM | RJLee Group Tinker AFB, Oklahoma City, OK | 5.100 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing |
| IMDS | TBD/TBD | TBD TBD | 0.000 | 0.079 | Apr 2010 | 0.022 | Apr 2011 | 0.000 | | 0.022 | Continuing | Continuing | Continuing |
| Subtotal | | | 25.266 | 4.193 | | 4.074 | | 0.000 | | 4.074 | | | |
| Remarks | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | | |
| 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) | | | | | | |
| Support (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 | |
| PMO Tasks (supporting Integration & Development) | C/FP | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 1.705 | 1.319 | Jan 2010 | 1.309 | Mar 2011 | 0.000 | | 1.309 | Continuing | Continuing | Continuing | |
| Portal/Systems Engineering Support (Integration Task) | C/FP | GCSS-AFDS WPAFB, OH | 0.134 | 0.127 | Feb 2010 | 0.126 | Mar 2011 | 0.000 | | 0.126 | Continuing | Continuing | Continuing | |
| Subtotal | | | 1.839 | 1.446 | | 1.435 | | 0.000 | | 1.435 | | | | |
| Remarks | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 | |
| Support Contractor (Test Development Range) | C/FP | GCSS-AFDS WPAFB, OH | 0.053 | 0.000 | | 0.000 | | 0.000 | | 0.000 | Continuing | Continuing | Continuing | |
| Subtotal | | | 0.053 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | | |
| Remarks | | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | |
| 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 Logistics Integration (LALI)</i> | | | | | |
| Management Services (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 |
| PMO Support (System Program Office management and operations) | TBD/TBD | AF/A4/7 BPA (TAG) Bolling AFB, Washington, D.C. | 0.096 | 0.071 | Dec 2009 | 0.070 | Dec 2010 | 0.000 | | 0.070 | Continuing | Continuing | Continuing |
| Subtotal | | | 0.096 | 0.071 | | 0.070 | | 0.000 | | 0.070 | | | |
| Remarks | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 27.254 | 5.710 | | 5.579 | | 0.000 | | 5.579 | | | |
| Remarks Total Prior Years Cost may include only FY 2009 data. | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

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

R-1 ITEM NOMENCLATURE

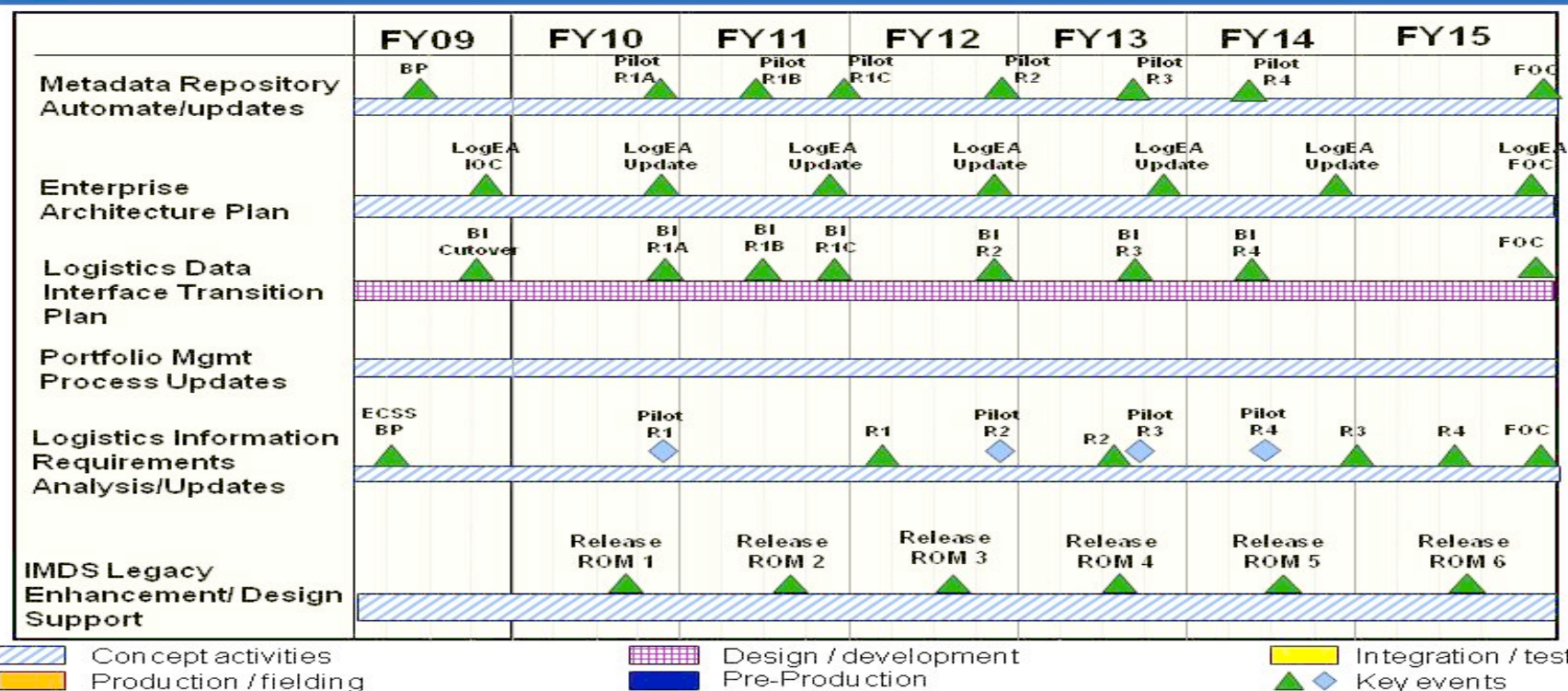
PE 0708611F: Support Systems Development

PROJECT

675042: Log Application Logistics Integration (LALI)



Logistics Application Logistics Integration (LALI) Schedule



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| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force | | | DATE: February 2010 |
| 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

| Event | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Metadata Repository (Automate/Updates) | 1 | 2009 | 4 | 2011 |
| Metadata Repository (Automate/Updates) Blueprinting (BP) | 2 | 2009 | 2 | 2009 |
| Metadata Repository (Automate/Updates) Pilot R1A | 4 | 2010 | 4 | 2010 |
| Metadata Repository (Automate/Updates) Pilot R1B | 2 | 2011 | 2 | 2011 |
| Metadata Repository (Automate/Updates) Pilot R1C | 4 | 2011 | 4 | 2011 |
| Logistics Enterprise Architecture (LogEA) Plan | 1 | 2009 | 4 | 2011 |
| LogEA Initial Operational Capability (IOC) | 4 | 2009 | 4 | 2009 |
| LogEA Update | 4 | 2010 | 4 | 2010 |
| LogEA Update (1) | 4 | 2011 | 4 | 2011 |
| Logistics Data Interface (Log DI) Transition Plan | 1 | 2009 | 4 | 2011 |
| Log DI Transition Plan Baseline Interface (BI) Cutover | 4 | 2009 | 4 | 2009 |
| Portfolio Management Process Updates | 1 | 2009 | 4 | 2011 |
| Logistics Information Requirements (LogIR) Analysis/Updates | 1 | 2009 | 4 | 2011 |
| LogIR Analysis/Updates Blueprinting (BP) | 2 | 2009 | 2 | 2009 |
| LogIR Analysis/Updates Pilot R1 | 1 | 2009 | 4 | 2010 |
| Legacy Enhancement/Design Support | 1 | 2009 | 4 | 2011 |
| Release ROM 1 | 3 | 2010 | 3 | 2010 |
| Release ROM 2 | 3 | 2011 | 3 | 2011 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | | DATE: February 2010 | | | |
| 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 2009 Actual | FY 2010 Estimate | FY 2011 Base Estimate | FY 2011 OCO Estimate | FY 2011 Total Estimate | FY 2012 Estimate | FY 2013 Estimate | FY 2014 Estimate | FY 2015 Estimate | Cost To Complete | Total Cost |
| 675044: Logistics Systems Development (LSD) | 0.000 | 31.970 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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 FY2010 these LSD projects include ALC Logistics Integration, 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, Engine Health Management Plus Data Repository Center, Freedom Fuels/Coal Fuel Alliance, 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. | | | | | | | | | | | |
| B. Accomplishments/Planned Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | | FY 2009 | FY 2010 | | | |
| Congressional Add: ALC Logistics Integration Environment FY 2009 Accomplishments: In FY 2009: N/A FY 2010 Plans: In FY 2010: Initiate ALC Logistics Integration Environment project | | | | | | | 0.000 | 0.800 | | | |
| Congressional Add: Accelerator-Driven Non-Destructive Testing FY 2009 Accomplishments: In FY 2009: N/A | | | | | | | 0.000 | 2.000 | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | DATE: February 2010 |
| 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 Program (\$ in Millions) | | |
| | FY 2009 | FY 2010 |
| <i>FY 2010 Plans:</i> In FY 2010: Initiate Accelerator-Driven Non-Destructive Testing project | | |
| Congressional Add: Alternate Energy Research and Integration <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Alternate Energy Research and Integration project | 0.000 | 18.450 |
| Congressional Add: Assessment of Alternate Energy for Aircraft Ground Equipment <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Assessment of Alternate Energy for Aircraft Ground Equipment project | 0.000 | 1.600 |
| Congressional Add: Demonstration and Validation of Renewable Energy Technology <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Demonstration and Validation of Renewable Energy Technology project | 0.000 | 0.800 |
| Congressional Add: Engine Health Management Plus Data Repository Center | 0.000 | 2.400 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | DATE: February 2010 |
| 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 Program (\$ in Millions) | | |
| | FY 2009 | FY 2010 |
| <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Engine Health Management Plus Data Repository Center project | | |
| Congressional Add: Freedom Fuels/Coal Fuel Alliance <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Freedom Fuels/Coal Fuel Alliance project | 0.000 | 3.920 |
| Congressional Add: Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing <i>FY 2009 Accomplishments:</i> In FY 2009: N/A <i>FY 2010 Plans:</i> In FY 2010: Initiate Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing project | 0.000 | 0.800 |
| Congressional Add: Technical Order Modernization <i>FY 2009 Accomplishments:</i> In FY 2009: N/A | 0.000 | 1.200 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force | | | | | | | DATE: February 2010 | | | | |
| 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 Program (\$ in Millions) | | | | | | | | | | | |
| | | | | | | FY 2009 | FY 2010 | | | | |
| <i>FY 2010 Plans:</i> In FY 2010: Initiate Technical Order Modernization project | | | | | | | | | | | |
| Congressional Adds Subtotals | | | | | | 0.000 | 31.970 | | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| <u>Line Item</u> | <u>FY 2009</u> | <u>FY 2010</u> | <u>FY 2011</u> <u>Base</u> | <u>FY 2011</u> <u>OCO</u> | <u>FY 2011</u> <u>Total</u> | <u>FY 2012</u> | <u>FY 2013</u> | <u>FY 2014</u> | <u>FY 2015</u> | <u>Cost To</u> <u>Complete</u> | <u>Total Cost</u> |
| • PE Not Provided (9784): <i>Activity Not Provided</i> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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. | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | | |
| 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) | | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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/TBD | TBD TBD | 0.000 | 0.800 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.800 | 0.000 | |
| Accelerator-Driven Non-Destructive Testing Congressional Add | TBD/TBD | TBD TBD | 0.000 | 2.000 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 2.000 | 0.000 | |
| Alternate Energy Research and Integration Congressional Add | TBD/TBD | TBD TBD | 0.000 | 18.450 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 18.450 | 0.000 | |
| Assessment of Alternate Energy for Aircraft Ground Equipment (AGE) Congressional Add | TBD/TBD | TBD TBD | 0.000 | 1.600 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 1.600 | 0.000 | |
| Demonstration and Validation of Renewable Energy Technology Congressional Add | TBD/TBD | TBD TBD | 0.000 | 0.800 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.800 | 0.000 | |
| Engine Health Management Plus Data Repository Center Congressional Add | TBD/TBD | TBD TBD | 0.000 | 2.400 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 2.400 | 0.000 | |
| Freedom Fuels/ Coal Fuel Alliance Congressional Add | TBD/TBD | TBD TBD | 0.000 | 3.920 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 3.920 | 0.000 | |
| Mitigating RoHS Lead-Free Issues in | TBD/TBD | TBD TBD | 0.000 | 0.800 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 0.800 | 0.000 | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force | | | | | | | | | | | DATE: February 2010 | | |
| 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> | | | | | |
| Product Development (\$ in Millions) | | | | | | | | | | | | | |
| | | | | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 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 |
| Aerospace Circuit Board Manufacturing Congressional Add | | | | | | | | | | | | | |
| Technical Order Modernization Congressional Add | TBD/TBD | TBD TBD | 0.000 | 1.200 | Sep 2010 | 0.000 | | 0.000 | | 0.000 | 0.000 | 1.200 | 0.000 |
| Subtotal | | | 0.000 | 31.970 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 31.970 | 0.000 |
| Remarks | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | Total Prior Years Cost | FY 2010 | | FY 2011 Base | | FY 2011 OCO | | FY 2011 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 0.000 | 31.970 | | 0.000 | | 0.000 | | 0.000 | 0.000 | 31.970 | 0.000 |
| Remarks Total Prior Years Cost may include only FY 2009 data. | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

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

R-1 ITEM NOMENCLATURE

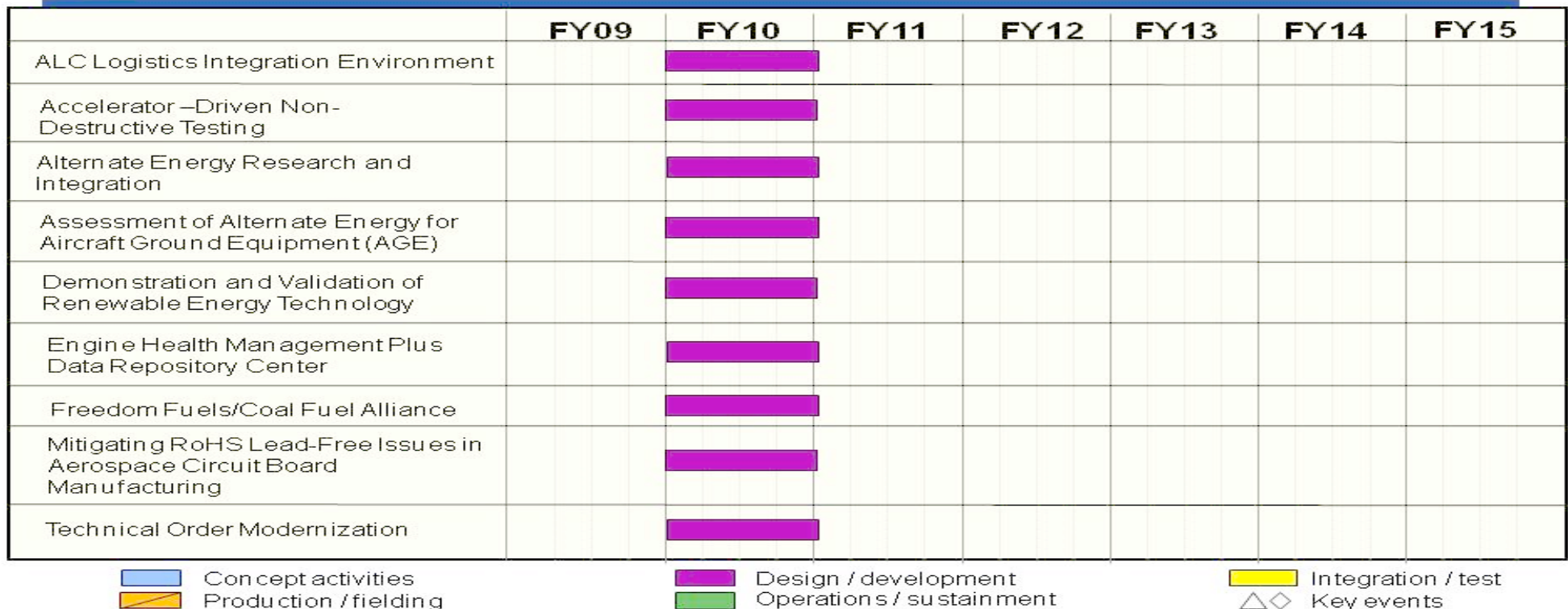
PE 0708611F: Support Systems Development

PROJECT

675044: Logistics Systems Development (LSD)



Logistics Systems Development (LSD) Schedule



FY10 Staffer Brief

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|--|---|--|----------------------------|
| Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force | | | DATE: February 2010 |
| 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

| Event | Start | | End | |
|---|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| LSD Congressional Add - ALC Logistics Integration | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Accelerator-Driven Non-Destructive Testing | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Alternate Energy Research and Integration | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Assessment of Alternate Energy for Aircraft Ground Equipment (AGE) | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Demonstration and Validation of Renewable Energy Technology | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Engine Health Management Plus Data Repository Center | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Freedom Fuels/Coal Fuel Alliance | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Mitigating RoHS Lead-Free Issues in Aerospace Circuit Board Manufacturing | 1 | 2010 | 4 | 2010 |
| LSD Congressional Add - Technical Order Modernization | 1 | 2010 | 4 | 2010 |

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