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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0708611F I Support Systems Development							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	13.987	9.128	9.362	0.000	9.362	9.531	9.742	9.949	10.153	Continuing	Continuing
675042: Log Application Logisitics Integration (LALI)	-	13.987	9.128	9.362	0.000	9.362	9.531	9.742	9.949	10.153	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

## **A. Mission Description and Budget Item Justification**

Logistics, Installations and Mission Support - Enterprise View (LIMS-EV) implements Business Intelligence (BI) and Decision Support (DS) solutions and includes transitioning to a common Information Technology (IT) hosting environment and development of mobile infrastructure. The AF must transform its logistics business processes and transition away from using numerous stovepipe systems and process flows that execute the same analysis and decision support tasks. Eliminating process redundancies across the logistics enterprise will enable the AF to execute more efficient, cost-effective and integrated logistics in the long term. Leveraging emerging technology to enhance existing capabilities and developing a mobile solution satisfies current and future needs of the enterprise. LIMS-EV funding supports BI and DS development capability used by senior leaders and war fighters to access integrated information from multiple authoritative logistics and operational source systems. LIMS-EV funding will extend current BI capabilities to provide configurable alerting, predictive/what-if analysis, mobile applications and further integration of functionality per high priority requirements as defined/approved by the Enterprise Logistics Information Technology (ELIT) authority including support equipment, vehicle, supply, commodities and components (engines, landing gears, fuel, etc.), weapons systems availability and Total Asset Visibility (TAV), and financial, Civil Engineering and Security Forces analytics. Enhances LIMS-EV functionality per migration from the retiring Global Combat Support System-Air Force (GCSS-AF) infrastructure to a an approved Joint Information Environment/Common Computing Environment.

BA7- 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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
Previous President's Budget	12.107	9.128	9.334	0.000	9.334
Current President's Budget	13.987	9.128	9.362	0.000	9.362
Total Adjustments	1.880	0.000	0.028	0.000	0.028
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	2.331	0.000			
• SBIR/STTR Transfer	-0.451	0.000			
• Other Adjustments	0.000	0.000	0.028	0.000	0.028

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Change Summary Explanation FY2016 Below Threshold Reprogramming increase of 2.331M was for LIMS-EV Support Equipment View development work in support of AFNWC NMM.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
<b>Title:</b> LIMS-EV Vehicle View (VV) 5.2  <b>Description:</b> Update business analytics and reporting with new authoritative data source: Defense Property Accountability System (DPAS)  <b>FY 2016 Accomplishments:</b> -Continued to migrate the legacy data sources from the Online Vehicle Information Management System (OLVIMS) to DPAS; authorized data source for business intelligence analytics and reporting - Modified/migrated the applications, reports and capabilities to using data sourced from DPAS and exposed the DPAS data in Business Objects - Developed new analysis and reporting Transaction Request Tool to support fleet managers with asset updates, loads, and moves, as well as resale request actions  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Plans:</b> N/A		3.759	0.000	0.000
<b>Title:</b> LIMS-EV Equipment View (EV) 4.6  <b>Description:</b> Implement critical metrics for analysis and reporting to support the new Redistribution and Mass Additive functionality  <b>FY 2016 Accomplishments:</b> - Implemented additional metrics for reporting with drill-down and drill-across analysis – provides analytics of Redistribution and Mass Additive functionality; metrics include: -- Reporting: Command Equipment Management Office (CEMO), 404 Supply Chain Management Squadron (SCMS), and Fill Rate Metrics; enhanced Redistribution and Mass Additive metrics/reports -- Business Intelligence: apply data from Mal-Positioned Assets, Repair Execution, Retention Additives & Disposals and Replacement Additives actions as well as user-entered input to calculate / present the defined metrics  <b>FY 2017 Plans:</b>		2.186	0.000	0.000

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
N/A				
<b>FY 2018 Plans:</b> N/A				
<b>Title:</b> LIMS-EV Repair Network View (RNV) 4.0 <b>Description:</b> Enhance business intelligence, analysis, reporting and predictive simulation in new Repair Network Integration (RNI) Leadership Metrics  <b>FY 2016 Accomplishments:</b> - Developed leadership business analytics and reporting with Repair Network Integration (RNI) metrics; enables business intelligence simulation capability in Capability and Capacity (CAP2) Information Technology (IT) Tool. Aligned analytics with authoritative source data: -- Support equipment prices for each equipment asset pulled from Air Force Equipment Management System (AFEMS) -- Quality Deficiency Report (QDR) data pulled from each node from Joint Deficiency Reporting System (JDRS) -- Depot level production from IMPRESA (MROi) or Job Order Production Master System (JOPMS) G004L -- Contract data reporting National Stock Numbers (NSNs) repaired at contractors' facilities from Contracting Information Database System (CIDS/J018) or Commercial Asset Visibility Air Force (CAV AF)  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Plans:</b> N/A		1.918	0.000	0.000
<b>Title:</b> LIMS-EV Weapons System Enterprise Review (WSER) <b>Description:</b> Implement business analytics and reporting for the AF Chief of Staff WSER briefing  <b>FY 2016 Accomplishments:</b> N/A  <b>FY 2017 Plans:</b> - Implemented business analytics and reporting of key weapon systems data: Performance Execution (availability, engines, and aircraft delivery quality); Modernization Overall (cost, schedule, performance, and funding); Product Support (Logistics Health Assessment (LHA) and Leading Health Indicator (LHI) (engines)); Predictive Health (safety, service life, mission effectiveness, and weapon system sustainment (WSS) risk); and Operating Cost.		0.000	1.500	0.000

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
- Automated, enabled common access to, analysis of, and reporting of AF Chief of Staff Weapons System Enterprise Review metrics <b>FY 2018 Plans:</b> N/A				
<b>Title:</b> LIMS-EV Engine Health Management and Data Repository Center (EHM-DRC) <b>Description:</b> Implement business analysis, decision support and reporting of Engine Health Management into LIMS-EV <b>FY 2016 Accomplishments:</b> N/A <b>FY 2017 Plans:</b> - Realigned Engine Health Management Data Repository Center (EHM-DRC) data to LIMS-EV - Implemented business analytics and reporting of engines data within LIMS-EV; enhance EHM-DRS analysis and decision support reporting via expanded engine health data <b>FY 2018 Plans:</b> - Enhance analysis: enable additional analysis via integration of additional data and filtering options; provide simulation to forecast health impacts - Enhance reporting: provide additional reporting with drill-down and drill-across functionality		0.000	2.500	1.500
<b>Title:</b> LIMS-EV Repair Network View (RNV) 5.0 <b>Description:</b> Enhance Repair Network View (RNV) with additional business analytics functionality <b>FY 2016 Accomplishments:</b> N/A <b>FY 2017 Plans:</b> - Enhanced RNV analytics: modified existing reference tables, created additional repair nodes, realigned data extract and mapped analysis and reporting to new reference tables <b>FY 2018 Plans:</b> N/A		0.000	2.000	0.000
<b>Title:</b> LIMS-EV Supply Chain Management (SCM) 7.0 <b>Description:</b> Enhance analysis and reporting in Supply Chain Management (SCM) View		0.000	2.000	0.000

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
<b>FY 2016 Accomplishments:</b> N/A  <b>FY 2017 Plans:</b> - Enhanced reporting: Included ability to distinguish USAF backorders and provide national stock number (NSN) entry conversion to accommodate hand-typed NSN for accurate reporting; create PDN Analysis Report - Enhanced analytics: Augmented analysis query fields: added Production Number (PDN) search in Edit box; enabled ability to add incremental/auto fill PDN (4-digit national item identifier number (NIIN) query) drop down in Default Analysis  <b>FY 2018 Plans:</b> N/A				
<b>Title:</b> LIMS-EV Support Equipment Enterprise View  <b>Description:</b> Augment LIMS-EV with additional Support Equipment business intelligence and new analytics and reporting  <b>FY 2016 Accomplishments:</b> - Added new authoritative source data to identify specific location and mission status of support equipment (SE) - Enhanced Support Equipment business intelligence: Implemented new analysis and reporting of SE mission support status; provide ability to track status and location of SE assets by Equipment identifier (ID); enable forecasting and simulation with calculations for predicting asset service cliffs - Enhanced Support Equipment reporting: added new metrics of support equipment mission support status; location; and overall mission impact  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Plans:</b> - Enhance Support Equipment business intelligence: Implement additional analysis and reporting of SE mission support status via additional data and filtering options; provide additional forecasting and simulation with calculations for predicting asset service cliffs - Enhance reporting: update SE mission status metrics with drill-across functionality to existing LIMS-EV business analytics views		2.267	0.000	2.362
<b>Title:</b> LIMS-EV Cost of Logistics 2.0  <b>Description:</b> Enhance analysis and reporting in Cost of Logistics capability  <b>FY 2016 Accomplishments:</b>		0.000	1.128	1.500

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
N/A				
<b>FY 2017 Plans:</b> - Enhanced analysis: enabled variance analysis - Enhanced reporting: provided variance reporting and integrated report export functionality				
<b>FY 2018 Plans:</b> - Enhance analysis: improve drill-down and drill-across analysis with additional filters - Enhance reporting: provide additional reporting of new analysis functionality				
<b>Title:</b> LIMS-EV Vehicle View (VV) 6.0 & 7.0 <b>Description:</b> Enhance LIMS-EV 'Mobile' functionality, analysis, reporting, and forecasting simulation in Vehicle View capability  <b>FY 2016 Accomplishments:</b> - Release 6.0 -- Enhanced 'mobile' functionality: enhanced three businesses analytics widgets to enable view/display/input/update via DoD/AF-approved mobile devices: Leadership View; Fleet Posture View; Sustainment View - Enhanced analysis and reporting: integrated AF Vehicle Consolidated Analysis and Reporting System (CARS) to enabled vehicle allocations/ procurements analysis; implemented searchable vehicle e-Book capability; implemented a decision support analyzer tool to import vehicle Preventive Maintenance and Inspection data; provided vehicle Objective Based Posturing Tool (VOBPT) simulation capability; created a cost per equivalent view and a transaction request tool; enhanced fleet performance analytical reporting, priority-buy reporting, and authorization validation functionality - Enhanced analytics reference tables: added Minimum Essential Level Recall Assistance Tool (MELRAT) & vehicle equivalents listing reference tables  <b>FY 2017 Plans:</b> N/A  <b>FY 2018 Plans:</b> - Release 7.0 -- Enhances BI analytics and reporting: enables new and centralizes analysis and reporting via integration of 55 MAJCOM processes; enhances analysis functionality: adds Item Manager analysis and reporting functions; enhances forecasting via additional Depot Maintenance planning model; provides new reporting functionality - Implements CSAF directed action to centralize management of the AF's vehicle fleet at Air Force Elements (AFELM) VSCOS		3.857	0.000	2.000
<b>Title:</b> LIMS-EV Enterprise Propulsion BI Tool (eP-BITS) <b>Description:</b> Develop Enterprise Propulsion Business Intelligence analysis and reporting in LIMS-EV  <b>FY 2016 Accomplishments:</b>		0.000	0.000	2.000

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
N/A				
<b>FY 2017 Plans:</b> N/A				
<b>FY 2018 Plans:</b> - Develop business analytics and reporting supporting engine management for existing and new engines; enable simulation to forecast engine and component removals; provide ability to identify business process gaps; enable analysis to replace manual products generated by the actuary's office - Enable engine management reporting: provide metrics and analysis for existing or new engines				
<b>Accomplishments/Planned Programs Subtotals</b>		13.987	9.128	9.362
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b> LIMS-EV will utilize services provided by GCSS-AF Integration Framework. GCSS-AF Data Services Program Management Office (PMO), as LIMS-EV Program Manager, is responsible to competitively acquire additional LIMS-EV capabilities using a variety of fixed price, labor hour, time and material, and cost plus contracts.  LIMS-EV capabilities utilize services provided by GCSS-AF Integration Framework. GCSS-AF Data Services PMO, as LIMS-EV Program Manager, manages LIMS-EV development projects following standard software development release process.  LIMS-EV development projects will be awarded as task orders using GCSS AF 2 contract with GCSS AF Data Services Program Management Office, Wright-Patterson Air Force Base, Ohio.				
<b>F. Performance Metrics</b> 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.				