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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607141A / Logistics Automation							
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	-	1.318	4.563	1.504	-	1.504	0.000	0.000	0.000	0.000	Continuing	Continuing
DY1: Logistics Information Warehouse (LIW)	-	0.000	1.957	1.504	-	1.504	0.000	0.000	0.000	0.000	Continuing	Continuing
DY2: Lead Material Integrator (LMI) (DST)	-	1.318	2.606	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

**Note**

FY 2018 Base Funding is reduced because program is entering sustainment.

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

The Logistics Information Warehouse (LIW) has been designated by the Secretary of the Army as the primary system for the accessing, acquiring, and delivery of materiel data. This includes data from all sources designated as Authoritative, as well as, system derived data and appropriate reference data. This data will be used in support of materiel sourcing and distribution and other Materiel Enterprise missions. It enables Command visibility of business intelligence and resulting metrics for critical logistics components enabling enterprise-level analytics to be performed in support of the equipping mission within the Army's Tiered Readiness processes. LOGSA and its LIW suite of products and services provide the Army community with vital logistics data necessary for the planning, conducting and sustainment of war fighting capability worldwide. The LMI-DST directly supports Tiered Readiness by linking available equipment to the Generated Force model. Specifically, LMI-DST synchronizes an Army authoritative Demand Signal for manning, equipping, services & infrastructure and authoritative resourcing (money) information, resulting in an accurate prediction of a ready and properly equipped force. The Army Financial Liability Investigation of Property Loss Tracker (AFT) tool is a web-based, automated FLIPL processing and tracking system which provides an electronic FLIPL documentation packet that includes intelligent, digital versions of required forms and allows for attachment of supporting documentation.

<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2016</u></b>	<b><u>FY 2017</u></b>	<b><u>FY 2018 Base</u></b>	<b><u>FY 2018 OCO</u></b>	<b><u>FY 2018 Total</u></b>
Previous President's Budget	1.673	4.563	4.308	-	4.308
Current President's Budget	1.318	4.563	1.504	-	1.504
Total Adjustments	-0.355	0.000	-2.804	-	-2.804
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.066	-			
• Other Adjustments 1	-0.289	0.000	-2.804	-	-2.804

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<p><b><u>Change Summary Explanation</u></b></p> <p>FY 2016 Base Funding in the amount of (.289) million was reprogrammed to support a higher Army priority.</p> <p>FY 2018 Base Funding is reduced because Logistics Information Warehouse (LIW) program is entering sustainment.</p>		

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607141A / Logistics Automation				Project (Number/Name) DY1 / Logistics Information Warehouse (LIW)			
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
DY1: Logistics Information Warehouse (LIW)	-	0.000	1.957	1.504	-	1.504	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

FY 2018 Base Funding is reduced because Logistics Information Warehouse (LIW) program is entering sustainment.

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

The Logistics Information Warehouse (LIW) is designated as the Army's authoritative materiel data repository. As chartered by the Secretary of The Army, LIW will provide enterprise-accepted and trusted information for analysis, aggregation, and reuse in support of the Lead Materiel Integrator (LMI) mission. As an Army enterprise-level repository and retrieval system to facilitate accurate choices and rapid decision making. Specifically, LIW will provide all required data structured in a way that allows for querying and reporting; e.g., equipment authorizations, equipment on-hand, new procurement schedules, RESET production schedules and in transit visibility from origin and distribution to final destination, in support of the information needs of the Army Materiel Command (AMC) and other command logistics managers. This includes data from all sources designated as authoritative, as well as system derived data and appropriate reference data. This data will be used in support of materiel sourcing and distribution and other Materiel Enterprise missions. LIW enables visibility of business intelligence and resulting metrics for critical logistics components enabling enterprise-level analytics to be performed in support of the equipping mission within the Army's Tiered Readiness processes. LIW supports the tenants of Mission Command by logistically empowering the Commander to successfully integrate and synchronize logistics information with warfighter functions in time and space to maximize potential for mission success. ADDITIONAL CAPABILITIES: LIW provides the data and custom business intelligence environment to enable Command-specific analysis and presentation of business intelligence displays to satisfy unique command management requirements. LIW serves as the single logistics repository which bridges the Army ERP systems (GCSS-Army, LMP, AESIP, GFEBS) with enduring legacy systems.

LOGSA is requesting RDTE funds to develop and enhance the Materiel Common Operating Picture (M-COP). The M-COP provides interactive views, models, and simulations that directly address Warfighter priorities by giving senior Army leaders the ability to visualize current and future materiel requirements, materiel readiness levels and Warfighter materiel readiness options of the Logistics Readiness Center (LRC) at the installation level. Data from many agencies is integrated into M-COP views, assisting with information superiority for joint and inter-agency operations (examples: assisting CENTCOM, NORTHCOM, and FEMA).

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
<b>Title:</b> LIW	-	1.957	1.504
<b>Description:</b> Execution of tasks to create Army Logistics Repository.			
<b>FY 2017 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>
Continue Develop Materiel Common Operating Picture (M-COP), continuing Best of Breed			
<b>FY 2018 Plans:</b> Funds Logistics Information Warehouse			
<b>Accomplishments/Planned Programs Subtotals</b>		-	1.957
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b> Utilize contract services available through LITeS contract vehicle in CHESS.			
<b>E. Performance Metrics</b> N/A			

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Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607141A / Logistics Automation				Project (Number/Name) DY2 / Lead Material Integrator (LMI) (DST)			
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
DY2: Lead Material Integrator (LMI) (DST)	-	1.318	2.606	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Lead Materiel Integrator Decision Support Tool (LMI DST) is a software solution, resident within the Logistics Information Warehouse, that supports the Army Materiel Command in its mission as the Army Lead Materiel Integrator as well as materiel managers at Army Commands, Army Service Component Commands, Direct Reporting Units, Corps and Divisions with making informed equipping decisions. The LMI DST directly supports Army Forces Generation (ARFORGEN) by linking available equipment to the Generated Force model.												
Specifically, development will enable the tool to consume and display additional data sources, such as maintenance data from both legacy and Enterprise data sources - a critical capability during the fielding of GCSS-Army; provide additional modules, including Second Destination Transportation Planning, supporting USARC and NGB requirements to deprecate legacy systems and a Readiness Cost Banding module to implement analysis algorithms to deliver decisions to optimize readiness within Army cost constraints. New development will also enable equippers to redistribute items, based on their level of modernization, limiting transportation costs of moving outdated equipment.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2016	FY 2017	FY 2018	
Title: LMI/DST									1.318	2.606	-	
Description: The Lead Materiel Integrator Decision Support Tool (LMI DST) is a software solution, resident within the Logistics Information Warehouse.												
FY 2016 Accomplishments: Development of LMI DST Version 5.												
FY 2017 Plans: Development of LMI DST Version 5.												
Accomplishments/Planned Programs Subtotals									1.318	2.606	-	
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												

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<p><b><u>D. Acquisition Strategy</u></b></p> <p>The LMI DST is a development effort to meet the Secretary of the Army's intent in designating the Army Materiel Command as the Lead Materiel Integrator and the Logistics Information Warehouse (LIW) as the authoritative repository of Army logistics domain data. The LMI DST integrates logistics domain data from the LIW with materiel demand requirements from the Readiness Enterprise to enable automated decision support for equippers throughout the Army. In August 2011, a sole source contract was awarded to ProModel Corporation to leverage their COTS modeling and simulation capability, the ProModel Application Framework to develop the Lead Materiel Integrator Decision Support Tool, which is a GOTS product. The project utilizes an agile development methodology. Versions 1-4 were released on a six-month cadence between December 2011 and April 2013. LMI DST development and sustainment have been transitioned to LOGSA's Information and Technology Services Contract. Requirements for additional development were collected from Army Commands and vetted through a General Officer Steering Committee, chaired by Army Materiel Command. RDTE funding supports future major version releases.</p>		
<p><b><u>E. Performance Metrics</u></b></p> <p>N/A</p>		