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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2016 Defense Logistics Agency **Date:** February 2015

<b>Appropriation/Budget Activity</b>					<b>R-1 Program Element (Number/Name)</b>							
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)					PE 0603264S / Agile Transportation for the 21st Century (AT21) Theater Capability							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	5.221	3.754	2.544	2.679	-	2.679	0.496	0.496	0.496	-	Continuing	Continuing
1: Agile Transportation for the 21st Century (AT21) Theater Capability	5.221	3.754	2.544	2.679	-	2.679	0.496	0.496	0.496	-	Continuing	Continuing

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

Through the Theater Enterprise Deployment and Distribution (TED2) analysis, the Geographic Combatant Commanders identified several gaps between United States Transportation Commands strategic lift processes and Geographic Combatant Commander's distribution processes. Highlighted is a lack of capability to (1.) manage transportation planning and execution processes for cargo and passenger movement within their respective theaters of operation or (2.) match global movement requirements against available lift assets to produce an optimized transportation schedule that meets delivery requirements. AT21 Theater Capability, through the implementation of process improvements, integration of commercial transportation management and optimization tools, and development of additional deployment and distribution supporting technology, will provide the capability for combatant commanders to manage theater operations with improved visibility and control for those transportation movements originating from the port of debarkation and delivered to the point of need.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
Previous President's Budget	3.865	7.575	7.781	-	7.781
Current President's Budget	3.754	2.544	2.679	-	2.679
Total Adjustments	-0.111	-5.031	-5.102	-	-5.102
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.111	-			
• Other Program Reduction	-	-5.031	-5.084	-	-5.084
• Economic Assumption	-	-	-0.018	-	-0.018

**Change Summary Explanation**

FY2014 Support OSD urgent request for funding: -\$1.242

FY2015 Other Program Reduction (Budget Control Act 2011): -\$5.031 million

FY2016 Other Program Reduction (Budget Control Act 2011): -\$5.096 million

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Logistics Agency										Date: February 2015		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0603264S / Agile Transportation for the 21st Century (AT21) Theater Capability				Project (Number/Name) 1 / Agile Transportation for the 21st Century (AT21) Theater Capability			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
1: Agile Transportation for the 21st Century (AT21) Theater Capability	5.221	3.754	2.544	2.679	-	2.679	0.496	0.496	0.496	-	Continuing	Continuing
A. Mission Description and Budget Item Justification												
Through the Theater Enterprise Deployment and Distribution (TED2) analysis, the Geographic Combatant Commanders identified several gaps between United States Transportation Commands strategic lift processes and Geographic Combatant Commander's distribution processes. Highlighted is a lack of capability to (1.) manage transportation planning and execution processes for cargo and passenger movement within their respective theaters of operation or (2.) match global movement requirements against available lift assets to produce an optimized transportation schedule that meets delivery requirements. AT21 Theater Capability, through the implementation of process improvements, integration of commercial transportation management and optimization tools, and development of additional deployment and distribution supporting technology, will provide the capability for combatant commanders to manage theater operations with improved visibility and control for those transportation movements originating from the port of debarkation and delivered to the point of need.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Agile Transportation for the 21st Century (AT21) Theater Capability									3.754	2.544	2.679	
Description: AT21 Theater will, in conjunction with the GCCs, continue business process analysis, business process automation development, and business process technology integration to improve the integration and transition of business processes between the strategic and theater segments, as well as improve theater deployment and distribution business processes and support. Theater business process analysis will identify opportunities for insertion of industry best practices and technology to improve the efficiency and effectiveness of managing theater deployment and distribution planning and execution. Based on operational requirements emerging from the theater business processes, AT21 will develop, prototype, adapt and transition technologies to enable theater deployment and distribution capabilities.												
FY 2014 Accomplishments: Continue End-to-End (E2E) supply chain integration to support analysis of deployment and distribution requirements in support of AT21 theater development efforts. Continue data architecture analysis/services work to support reengineered business processes to ensure the seamless transition of deployment and distribution information between strategic & theater operations. Prototyping, development and integration of Theater Transportation Planning Enablement (TTPE) optimization solutions (includes the modification, configuration and integration of Commerical Off-The-Shelf (COTS)/Government Off-The-Shelf (GOTS) tools into the Joint Deployment and Distribution Environment (JDDE). Provide an AT21 theater optimization tool that automates the Joint												

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<b>Appropriation/Budget Activity</b> 0400 / 3	<b>R-1 Program Element (Number/Name)</b> PE 0603264S / Agile Transportation for the 21st Century (AT21) Theater Capability	<b>Project (Number/Name)</b> 1 / Agile Transportation for the 21st Century (AT21) Theater Capability	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2014</b>	<b>FY 2015</b>
<p>Operational Support Airlift Center (JOSAC) scheduling process and optimizes airlift mission schedules for operational support airlift requirements.</p> <p><b>FY 2015 Plans:</b> Continue to develop an AT21 theater optimization tool that automates the Joint Operational Support Airlift Center (JOSAC) scheduling process and optimizes airlift mission schedules for operational support airlift requirements. Complete E2E supply chain integration to support analysis of deployment and distribution requirements in support of AT21 theater development efforts. Continue data architecture analysis/services work to support reengineered business processes to ensure the seamless transition of deployment and distribution information between strategic &amp; theater legs. TTPE capabilities to be spirally transitioned as respective Geographic CCMD requirements are addressed.</p> <p><b>FY 2016 Plans:</b> Complete data architecture analysis/services work to support reengineered business processes to ensure the seamless transition of deployment and distribution information between strategic &amp; theater legs. TTPE capabilities to be spirally transitioned as respective Geographic CCMD requirements are addressed. Complete development of an AT21 theater optimization tool that automates the Joint Operational Support Airlift Center (JOSAC) scheduling process and optimizes airlift mission schedules for operational support airlift requirements</p>			
<b>Accomplishments/Planned Programs Subtotals</b>		3.754	2.544
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
N/A			
<b>E. Performance Metrics</b>			
Development of core integrated strategic and theater process maps delineating gaps in information flow and prototype systems to facilitate synchronized transportation management and execution capabilities to improve performance in theater transportation planning and execution operations. >80% transition rate of proven technologies/capabilities.			