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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Defense Logistics Agency **Date:** February 2016

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)	R-1 Program Element (Number/Name) PE 0603264S / Agile Transportation for the 21st Century (AT21) Theater Capability
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	8.975	1.460	1.706	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.141
1: Agile Transportation for the 21st Century (AT21) Theater Capability	8.975	1.460	1.706	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.141

A. Mission Description and Budget Item Justification

Through the Theater Enterprise Deployment and Distribution (TED2) analysis, the Geographic Combatant Commanders (GCC) identified several gaps between United States Transportation Command's strategic lift processes and GCCs' distribution processes. Highlighted is a lack of capability to (1) manage transportation planning and execution processes for cargo/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/optimization tools, and the development of deployment/distribution supporting technologies, will provide the capability for Combatant Commanders to manage theater transportation operations from the port of debarkation to the point of need.

B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	2.544	2.679	0.000	-	0.000
Current President's Budget	1.460	1.706	0.000	-	0.000
Total Adjustments	-1.084	-0.973	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-0.973			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.000	-			
• SBIR/STTR Transfer	-0.084	-			

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

In FY 2016, PE was reduced by \$0.973M as a result of prior year carryover.

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Appropriation/Budget Activity	R-1 Program Element (Number/Name)
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)</i>	PE 0603264S / <i>Agile Transportation for the 21st Century (AT21) Theater Capability</i>

In FY 2017, PE 0603264S (BA3) Agile Transportation for the 21st Century (AT21) Theater Capability was transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Defense Logistics Agency **Date:** February 2016

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
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
1: Agile Transportation for the 21st Century (AT21) Theater Capability	8.975	1.460	1.706	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.141

A. Mission Description and Budget Item Justification

Through the Theater Enterprise Deployment and Distribution (TED2) analysis, the Geographic Combatant Commanders (GCC) identified several gaps between United States Transportation Command's strategic lift processes and GCCs' distribution processes. Highlighted is a lack of capability to (1.) manage transportation planning and execution processes for cargo/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/optimization tools, and the development of deployment/distribution supporting technologies, will provide the capability for Combatant Commanders to manage theater transportation operations from the port of debarkation to the point of need.

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

	FY 2015	FY 2016	FY 2017
Title: Agile Transportation for the 21st Century (AT21) Theater Capability	1.460	1.706	-
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/transition of business processes between the strategic and theater segments, as well as improve theater deployment and distribution business processes. Theater business process analysis will identify opportunities for insertion of industry best practices and technology to improve the efficiency/effectiveness of managing theater deployment and distribution operations. 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 2015 Accomplishments: 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 end-to-end supply chain integration analysis of deployment and distribution requirements. Continue data architecture analysis/services business processes re-engineering work to ensure the seamless transition of deployment and distribution information between strategic & theater legs.			
FY 2016 Plans: Continue data architecture analysis/services work to support reengineered business processes to ensure the seamless transition of deployment and distribution information between strategic & theater legs. Complete development of an AT21 theater			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
optimization tool that automates the Joint Operational Support Airlift Center scheduling process and optimizes airlift mission schedules for operational support airlift requirements				
Accomplishments/Planned Programs Subtotals		1.460	1.706	-
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy N/A				
E. Performance Metrics 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 operations. >80% transition rate of proven technologies/capabilities.				