

**UNCLASSIFIED**  
**FISCAL YEAR (FY) 2006/FY 2007 BUDGET ESTIMATES**

<b>Exhibit R-2a, RDT&amp;E Project Justification</b>							Date: February 2005
Appropriation/Budget Activity RDT&E, Defense-wide, BA 3				Project Name and Number: Distribution Process Owner (DPO) Technology Development and Implementation (PE0603713S)			
Cost (\$ in millions)	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11
	-	10.0	15.0				
Project 1: Capability-based Logistics	-	1.5	2.0	-	-	-	-
Project 2: Deployment & Distribution Velocity Mgmt	-	7.0	9.0	-	-	-	-
Project 3: Sense and Respond / Protection	-	1.0	1.0	-	-	-	-
Project 4: Cross Domain Intuitive Planning and Execution	-	0.5	3.0	-	-	-	-
<p><b>A. Mission Description and Budget Item Justification:</b> Global War on Terrorism lessons learned indicate that current distribution and logistic processes remain outdated and are not capable of providing required war fighter support in an agile, efficient, economical manner. Designation of USTRANSCOM as the Distribution Process Owner and shift within the Department to transform the distribution and logistics processes, demand the examination and improvement of the entire supply chain. Unpredictable and extended global distribution routes, limited visibility of sustainment requirements, force packaging limitations, lift constraints, complex supply chains, as well as non-networked battlefield command and control (C2), planning, and decision support tools impede timely war fighter logistical support. The centralization of distribution and logistics research and development will facilitate the development/fielding of transformational operational enhancements to validated distribution/logistic capability gaps through the transition of mature/promising technologies providing required mission support to combatant commanders and other customers of DoD's distribution and transportation systems in the areas of capability-based logistics, deployment/distribution velocity management, sense &amp; respond, protection, and collaborative planning/execution/information sharing/decision support tools.</p>							
<b>B. Accomplishments/Planned Program:</b>							
	FY 05		FY 06		FY 07		
Accomplishment/Effort/Subtotal Cost	0		10.0		15.0		
RDT&E Articles Quantity – N/A							

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<p>Planned accomplishments by project area are as follows:</p> <ul style="list-style-type: none"> <li>- Project 1: Development of distribution flow predictive capabilities, migration of transportation/logistics processes into a centralized global distribution process, enhanced coalition/commercial information sharing, and development of 4<sup>th</sup> Party Logistics (industry best practice) capabilities.</li> <li>- Project 2: Development of end-to-end mode determination/optimization planning and execution capabilities, demonstration of specialized cargo platforms for transporting military unit equipment on conventional container ships to free DOD sealift assets to address other lift shortfalls, refinement of at sea selective discharge of cargo from container ships, development of sub-pallet approach to return 463L pallets into air cargo flow process, and demonstration of signal processing system and refinement of image processing system to enable direct aerial delivery to distributed forces in complex battlefield.</li> <li>- Project 3: Modification of existing COTS detection system to produce low-cost, hand-held cargo explosive detectors and develop next-generation total asset visibility capabilities.</li> <li>- Project 4: Transformation of current methods used to gather, manage and display distribution/transportation command and control information, leverage state-of-the-art supply chain methodologies to generate optimal end-to-end transportation schedules, and enhanced tools to support war-gaming, exercises, planning, execution and programmatic analysis in an integrated logistics common operating picture.</li> </ul> <p><b>C. Other Program Funding Summary:</b> N/A</p>		