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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	27.586	31.833	4.840	0.000	4.840	5.012	5.114	5.300	5.405	Continuing	Continuing
640211: <i>GLOBAL ACCESS</i>	-	7.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.071
640212: <i>C2/OPTIMIZATION/ MODELING AND SIMULATION</i>	-	15.587	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.587
640213: <i>CYBER</i>	-	4.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.928
640216: <i>Deployment and Distribution Innovation</i>	-	0.000	31.833	4.840	0.000	4.840	5.012	5.114	5.300	5.405	Continuing	Continuing

Note
Project 640211, 640212, 640213 will be consolidated into one project 640216 starting in FY24.
FY25 and beyond ~\$27M of BA4 BPAC 640216 shifted to new BA3 BPAC 630004.

A. Mission Description and Budget Item Justification

Provides for the collaborative development, integration, field demonstration and assessment of contested environment Joint Deployment and Distribution Enterprise (JDDE) and Joint Petroleum Enterprise (JPE) capabilities. Needed capabilities include: innovation in delivery methods, seaport and airfield improvements, inventory/ cargo management, materiel handling, cargo/container security, secure collaboration with commercial/interagency/coalition partners, and distributed global mobility C4

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	27.586	31.833	32.544	0.000	32.544
Current President's Budget	27.586	31.833	4.840	0.000	4.840
Total Adjustments	0.000	0.000	-27.704	0.000	-27.704
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-27.704	0.000	-27.704

Change Summary Explanation

FY25 and beyond \$27M of BA4 BPAC 640216 was ZBT to new BA3 BPAC 630004

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
640211: <i>GLOBAL ACCESS</i>	-	7.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.071
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note
ZBT has been approved to consolidate BPACs 640211, 640212, and 640213 into one BPAC 640216

A. Mission Description and Budget Item Justification

This program provides for the development, integration, demonstration and detailed assessment of DOD procedures/technologies targeted at optimizing throughput at the nodes as well as across the conduits of the deployment and distribution supply chains, from origin to point of use as well as return. Needed capabilities include inventory/cargo management, materiel handling innovations, improved physical node access, port throughput improvements, innovative delivery methods (e.g., precision airlift, autonomous re-supply), and cargo/container security. This project addresses required mission support to combatant commanders and other customers of DOD's distribution and transportation systems in the area of deployment/distribution velocity management, manned/unmanned systems to the point of effect, and increased global reach in austere/anti-access environments.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23 0.0M was expended for civilian pay expenses in this program element and in FY24, 0.0M is forecasted for civilian pay expenses in this program element.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Petroleum Undersea Sustainment Hose</p> <p>Description: Provide an agile, submersible over-the-shore conduit that can be pre-positioned or immediately employed from vessels of opportunity such as a commercial offshore supply vessel (OSV).</p> <p>FY 2024 Plans: See BPAC 640216</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>	0.260	0.000	-
<p>Title: Airdrop System - Precision Extended Glide</p> <p>Description: Demonstrate a long range powered parafoil system to reduce risk to delivery aircraft</p> <p>FY 2024 Plans:</p>	0.300	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Collision Avoidance and Navigation Insight System/Aerial Port of the Future		1.000	0.000	-
Description: Autonomous Technologies applied to the 60K Tunner to improve throughput and safety				
FY 2024 Plans: Project ends in FY23				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Submersible Matting		0.064	0.000	-
Description: Develop a submersible matting system (SUBMAT) to facilitate mobility across the shoreline and wet/dry gaps by combining current soil stability technology and mobility matting into a single product.				
FY 2024 Plans: Project ends in FY23				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Rapid Available Interface for trans-Loading		0.500	0.000	-
Description: Provides a process to rapidly assess the condition, design acceptable repairs and delivers pre-kitted rail repair and retrofit solutions. The standardized repair kits allows for the development of Tactics, Techniques and Procedures (TTPs) for each repair that can be scaled to address a range of damages.				
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Repair and Retrofit of Railway Systems		0.750	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>Description: The standardized repair kits allows for the development of Tactics, Techniques and Procedures (TTPs) for each repair that can be scaled to address a range of damages.</p> <p>FY 2024 Plans: Project ends FY23</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>				
<p>Title: Drone Supported Surface Deployment</p> <p>Description: Determine the suitability of using modern drones and drone mapping technology for capturing data for input to systems such as the Integrated Computerized Deployment System (ICODES) and the Transportation Geospatial Information System (TGIS)</p> <p>FY 2024 Plans: Currently no FY24 funding/plans</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>		0.350	0.000	-
<p>Title: Buoyant Roll On/Roll Off Interface Kit</p> <p>Description: Prototype consisting of the RO/RO ramp to interface to a commercial supply vessel and a section of floating causeway and ancillary equipment sufficient to conduct a limited operational assessment</p> <p>FY 2024 Plans: See BPAC 640216</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>		0.400	0.000	-
<p>Title: 35 Thousand Foot Airdrop</p> <p>Description: Develop capabilities to airdrop from 35 thousand feet to increase aircraft standoff range from threat.</p> <p>FY 2024 Plans: See BPAC 640216</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>		0.200	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
N/A				
Title: Replenishment from Ships to Point of Need Delivery Description: Unmanned system launched from ships and capable of carrying supplies up to 100 miles inland. FY 2024 Plans: Project ends FY23 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.525	0.000	-
Title: Use of Dual Row Airdrop System with Joint Light Tactical Vehicle Description: Increasing the strength of C-17 dual row rails to enable dropping the JLTV FY 2024 Plans: Project ends in FY23 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.300	0.000	-
Title: Enhanced Vision Navigation for Joint Precision Airdrop System Description: Advanced technologies to improve airdrop capabilities to the warfighter. FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.531	0.000	-
Title: Aerial Delivery Platform Description: Platform for air dropping mutiple vehicles FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement:		0.499	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
N/A				
Title: Modular Autonomous Ready Dynamic Positioning System Description: Position for sealift lighterage assets FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.387	0.000	-
Title: Spectrum Exploitation for Emissions Control Description: Mitigate/reduce risks of emissions detection from civilian/commercial vessels FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.300	0.000	-
Title: Resilient Expeditionary Agile Littoral Logistics Description: Transfer of fuel ashore from various conveyances from off-shore platform FY 2024 Plans: Project ends FY23 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.705	0.000	-
Accomplishments/Planned Programs Subtotals		7.071	0.000	-
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>

D. Acquisition Strategy

Requirements for joint deployment and distribution enterprise technology enhancements are annually identified, validated and prioritized by the Joint Deployment & Distribution Enterprise (JDDE) community. Pursuit of the development of new capabilities to meet these requirements is managed by the United States Transportation Command (USTRANSCOM). Prototype products, once evaluated by the users, are spirally transitioned by the operational community.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<i>Deployment and Distribution</i>	
Integrated Logistics Support	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640211 / <i>GLOBAL ACCESS</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Deployment and Distribution</i>				
Integrated Logistics Support	1	2023	4	2023

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force										Date: March 2024		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>				Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
640212: <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>	-	15.587	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.587
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

ZBT has been approved to consolidate BPACS 64021, 640212, 640213 and 640215 into one BPAC 640216

A. Mission Description and Budget Item Justification

This program provides for the development, integration, demonstration and detailed assessment of capabilities which improve deployment, distribution and supply chain decision-making/collaboration (e.g., planning stage to real-time execution/retrograde operations) without need for highly specialized operators. Projects in this area address the following: decision support tools, distribution process simulations/analytics, distribution demand forecasting/execution monitoring, automated decision-maker support (e.g., queuing, alerting, courses of action), automated status monitoring with information fusion to include drilldown capability, and resilient Command & Control (C2) infrastructure capabilities. Current planning, forecasting, and collaboration capabilities do not permit full synchronization of people, processes and assets to execute planned operations. Automated tools must be able to dynamically analyze/predict demand and provide input to advanced distribution planning systems to include the capability for Combatant Commanders to manage theater transportation operations from the port of debarkation to the point of need. Transportation information exchange across the DOD is inhibited by disparate systems, multiple data standards and insufficient interfaces. The ability to rapidly determine the impact of any delays/changes and conduct "what-if" impact assessments on the closure of force packages is required. This project addresses the required mission support to combatant commanders and other customers in the area of C2, Optimization, and Modeling and Simulations. The Joint Transportation Management System (JTMS) will develop and configure a commercial-off-the-shelf (COTS) transportation/financial management product to deliver DoD enterprise-wide end-to-end transportation and transportation-related financial business process reform.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY21 0M was expended for civilian pay expenses in this program element (PE). In FY22, Joint Transportation Management System (JTMS) 15.5M was placed in this PE, for civilian pay expenses, until a separate PE could be established. No other FY will include civilian pay expenses in this PE.

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

	FY 2023	FY 2024	FY 2025
Title: TRANSCOM Innovation	5.596	0.000	-
Description: Rapidly develop and integrate technology solutions for the enterprise			
FY 2024 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Iron Spider		0.891	0.000	-
Description: Support plans that are released on unclassified, untrusted commercial networks in order to solicit and contract with vendors capable of supplying theater forces.				
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Safety Analysis of Modified Midwest Guardrail		0.350	0.000	-
Description: Research and physical testing to gather and analyze data for improving Entry Control Facilities (ECF) design and operations, improve road safety on installations, and reduce overall costs				
FY 2024 Plans: Project ends FY23				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Data Lake		1.675	0.000	-
Description: Develop and demonstrate the capability that allows incongruent data to be brought together to provide automated decision support.				
FY 2024 Plans: No current project funding/plans				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: End-to-End Deployment and Distribution Modeling		0.300	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>Description: Provide an integrated deployment/distribution environment to provide continuous and optimal balancing of total demand verse capacity from planning through mission execution.</p> <p>FY 2024 Plans: No current funding/plans</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>				
<p>Title: Massachusetts Institute of Technology Lincoln Labs</p> <p>Description: Partnership with MIT-LL to research efforts to improve enterprise operational architecture supporting high-end analytics, integrated information technology/data structures, understanding of cloud capabilities and multi-level cyber security defense.</p> <p>FY 2024 Plans: See BPAC 640216</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>		1.698	0.000	-
<p>Title: Modeling & Simulation Innovation</p> <p>Description: Select student research/faculty-assisted projects (e.g., Joint Transportation Asset Scheduling Kit, Next Generation Cargo Capability, Applying Post Modern Portfolio Theory to Mitigate Risk in International Shipping, Optimal CH-47/C-130 Workload Balance, Remotely Piloted Aircraft Performing Airdrop Mission).</p> <p>FY 2024 Plans: Collaboration partnership with AFIT for student research</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>		0.105	0.000	-
<p>Title: Infrastructure Information Confidence Model</p> <p>Description: Inform decision makers of the quality of primary and alternate data sources they are using to make decisions</p> <p>FY 2024 Plans:</p>		0.341	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Ends in FY23				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Aerial Delivery and Autonomous Deployment of Unmanned Vehicles Description: Develop ability to deliver unmanned systems from existing airdrop systems FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		1.010	0.000	-
Title: Program Execution Description: Provide technical assistance and program management support to the USTRANSCOM RDT&E Program. FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		1.150	0.000	-
Title: Analyzer Driven Data Integrity Description: Increase data integrity FY 2024 Plans: See BPAC 640216 FY 2024 to FY 2025 Increase/Decrease Statement: N/A		0.238	0.000	-
Title: Strategic Theater Orchestration and Resource Management Description: Ability to manage theater lift assets FY 2024 Plans:		0.615	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Risk Assessment and Vetting for the Enterprise Description: Assessing deployment distribution risk		0.700	0.000	-
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Component Level Operational Decision Advantage Description: develop detailed decision support tool		0.500	0.000	-
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: JDDE Mission Assurance Coordinator Description: Develop a JDDE-wide method for mission coordination		0.418	0.000	-
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		15.587	0.000	-
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>

D. Acquisition Strategy

Requirements for joint deployment and distribution enterprise technology enhancements are annually identified, validated and prioritized by the Joint Deployment & Distribution Enterprise (JDDE) community. Pursuit of the development of new/improved capabilities to meet these requirements is managed by the United States Transportation Command (USTRANSCOM). Prototype products, once evaluated by the users, are spirally transitioned by the operational community.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>
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Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Integrated Logistics Support	Various	Various : Belleville, IL	-	15.587	Nov 2022	-		-		-		-	0.000	15.587	-
Subtotal			-	15.587		-		-		-		-	0.000	15.587	N/A

Remarks
Funds will be realigned within PE.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	15.587	-	-	-	-	0.000	15.587	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<i>Deployment and Distribution</i>	
Integrated Logistics Support	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Deployment and Distribution</i>				
Integrated Logistics Support	1	2023	4	2023

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force **Date:** March 2024

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640213 / <i>CYBER</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
640213: <i>CYBER</i>	-	4.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.928
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

ZBT has been approved to consolidate BPACS 64021, 640212, 640213 and 640215 into one BPAC 640216

A. Mission Description and Budget Item Justification

This program provides for the development, integration, demonstration and detailed assessment of capabilities to ensure USTRANSCOM mission assurance is in a persuasive/dynamic cyber environment. USTRANSCOM requires the procedures/technologies to improve cyber surveillance and control of networks across multiple domains and the ability to continue critical network operations in contested unclassified and classified network environments. The Command also needs the ability to differentiate between valid/unauthorized users and determine/quantify the trustworthiness of hardware/software systems. Additionally USTRANSCOM must have the ability to rapidly analyze & correlate data regarding malicious activities, select/evoke real-time defense actuators, perform automated reasoning capabilities that address data quality issues, and the ability to rapidly return to a known/safe operating state.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23 \$0.0M was expended for civilian pay expenses in this program element and in FY24, \$0.0M is forecasted for civilian pay expenses in this program element.

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

	FY 2023	FY 2024	FY 2025
<p>Title: Oversight</p> <p>Description: Enable continuous tracking of adversary cyber groups and campaigns targeting USTRANSCOM and USINDOPACOM enterprise and their partners</p> <p>FY 2024 Plans: See BPAC 640216</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>	1.330	0.000	-
<p>Title: Cyber Mission Assurance Technologies</p> <p>Description: Near real-time understanding of the operational impact of cyber risks, threats, and disruptions.</p> <p>FY 2024 Plans:</p>	2.598	0.000	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640213 / <i>CYBER</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Lincoln Labs		1.000	0.000	-
Description: Partnership with MIT-LL to research efforts to improve enterprise operational architecture supporting high-end analytics, integrated information technology/data structures, understanding of cloud capabilities and multi-level cyber security defense.				
FY 2024 Plans: See BPAC 640216				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		4.928	0.000	-
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
Requirements for joint deployment and distribution enterprise technology enhancements are annually identified, validated and prioritized by the Joint Deployment & Distribution Enterprise (JDDE) community. Pursuit of the development of new/improved capabilities to meet these requirements is managed by the United States Transportation Command (USTRANSCOM). Prototype products, once evaluated by the users, are spirally transitioned by the operational community.				

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640213 / <i>CYBER</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<i>Deployment and Distribution</i>	
Integrated Logistics Support	██████████

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640213 / <i>CYBER</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Deployment and Distribution</i>				
Integrated Logistics Support	1	2023	4	2023

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force										Date: March 2024		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>				Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
640216: <i>Deployment and Distribution Innovation</i>	-	0.000	31.833	4.840	0.000	4.840	5.012	5.114	5.300	5.405	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY24 ZBT consolidates BPACS 640211, 640212, 640213 into BPAC 640216.

27M of BPAC 060216 being shifted to new BA3 BPAC 630004 Deployment and Distribution Deployment & Prototyping in FY25. Same shift in FY26 and beyond.

A. Mission Description and Budget Item Justification

Provides for the collaborative development, integration, field demonstration and assessment of contested environment Joint Deployment and Distribution Enterprise (JDDE) and Joint Petroleum Enterprise (JPE) capabilities. Needed capabilities include: innovation in delivery methods, seaport and airfield improvements, inventory/cargo management, materiel handling, cargo/container security, secure collaboration with commercial/interagency/coalition partners, and distributed global mobility C4

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

	FY 2023	FY 2024	FY 2025
Title: Transportation Innovation	-	0.438	0.892
Description: Research technologies to support the JDDE			
FY 2024 Plans: Research various technology solutions to support the JDDE			
FY 2025 Plans: FY25 plans in BPAC 630004			
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 in BPAC 630004			
Title: Data Lakes	-	0.904	0.000
Description: Various efforts to maximize data, detect anomalies, and support decision support			
FY 2024 Plans: Develop zero trust and automated mapping software			
FY 2025 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 in BPAC 630004				
Title: Airdrop Mission Planner Multiservice Interoperability		-	0.496	0.000
Description: Develop Android Tactical Assault Kit (ATAK) and Windows Tactical Assault Kit (WINTAK) for United States Army (USA), Air Force (USAF), Marine Corps (USMC), Special Operations Command (USSOCOM) and other services or organizations conducting airdrop operations.				
FY 2024 Plans: AMP-MI WINTAK Plugin Development				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 in BPAC 630004				
Title: End-to-End Distribution Modeling		-	0.880	0.000
Description: Developing the model of record for all programmatic analysis for transportation/distribution.				
FY 2024 Plans: Understanding effects of adversary kinetic, non-kinetic, and cyber actions that impact/influence logistics decisions, plus integration with warfight models				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 in BPAC 630004				
Title: Drone Supported Service Deployment		-	0.350	0.000
Description: Use of drones to monitor and optimize deployment and distribution operations.				
FY 2024 Plans: Hardware and software designed to consistently: 1) operate during adverse weather conditions, 2) offer extended range and autonomous flying capability, 3) provide customized RFID and cargo anomaly detection support , 4) offer complete centralized				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
multi-mission control, and lastly 5) transition and operate seamlessly as a part of the Integrated Computerized Deployment System (ICODES). FY 2025 Plans: Project Ends FY24 FY 2024 to FY 2025 Increase/Decrease Statement: Project ends				
Title: Petroleum Undersea Sustainment Hose Description: Provide an agile, submersible over-the-shore conduit that can be pre-positioned or immediately employed from vessels of opportunity such as a commercial offshore supply vessel (OSV). FY 2024 Plans: Addresses Sea Basing Technologies/Logistics-Over-The-Shore need to enhance the Joint Force Commander's flexibility FY 2024 to FY 2025 Increase/Decrease Statement: NA		0.000	0.800	-
Title: Aerial Delivery - Low Cost Modular GPS Denied Kit Description: Demonstrate a low size, weight, power and cost kit that can provide GPS-denied navigation, aerial delivery platforms FY 2024 Plans: Contract engineering, flight testing FY 2025 Plans: FY25 in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: FY25 in BPAC 630004		0.000	0.750	0.000
Title: Airdrop System - Precision Extended Glide Description: Demonstrate a long range powered parafoil system to reduce risk to delivery aircraft FY 2024 Plans:		0.000	1.300	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Systems Engineering, Component Procurements.				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Development costs vary as project progresses				
Title: Container Airdrop		0.000	0.500	0.000
Description: Enable the airdrop of a standard 20ft ISO container from a C-17 utilizing standard low altitude airdrop methods				
FY 2024 Plans: Develop Container-Platform Lock System				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Development costs vary as project progresses				
Title: Expeditionary Concrete Construction for Ports of Debarkation		0.000	0.500	0.000
Description: Use indigenous materials for contingency construction while minimizing logistics required to enable the construction				
FY 2024 Plans: Material procurement and characterization				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Costs vary by FY as development proceeds.				
Title: Global Reach		0.000	0.803	0.000
Description: Tactical Situation, COP, mission planning, intelligence, communications resiliency, ship survivability capabilities				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>FY 2024 Plans: Conduct design activities to include but not limited to staff, operator and crew interviews, site, Information Technology (IT) and network surveys to better understand MSC's near, mid and long-term strategic and operational needs.</p> <p>FY 2025 Plans: FY25 in BPAC 630004</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Costs vary as project progresses</p>				
<p>Title: Scalable Autonomous Modular Propulsion Kits</p> <p>Description: Develop scalable modular propulsion kits with marine automation for installation on ocean/riverine commercial barges</p> <p>FY 2024 Plans: Autonomous control system used to convert manned vessels to autonomous unmanned capability</p> <p>FY 2025 Plans: FY25 in BPAC 630004</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Development varies by FY</p>		0.000	0.891	0.000
<p>Title: Large Area Runway Repair Gone Expeditionary</p> <p>Description: Deliver TTPs/equipment to enhance capabilities to repair large craters</p> <p>FY 2024 Plans: Develop new and mature technologies that will enable airbase recovery</p> <p>FY 2025 Plans: Continue to develop new and mature technologies that will enable airbase recovery</p>		0.000	1.000	1.000
<p>Title: Theater Mitigation Alternatives at Military Entry Control Facilities</p> <p>Description: Research and physical testing to gather and analyze data for improving Entry Control Facilities</p> <p>FY 2024 Plans:</p>		0.000	1.136	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Begin reserach efforts to gather required data				
FY 2024 to FY 2025 Increase/Decrease Statement: NA				
Title: Buoyant Roll On/Roll Off Interface Kit		0.000	0.750	-
Description: Prototype consisting of the RO/RO ramp to interface to a commercial supply vessel and a section of floating causeway and ancillary equipment sufficient to conduct a limited operational assessment				
FY 2024 Plans: Continue to develop a prototype rapidly deployable ship-to-shore connector capability				
FY 2024 to FY 2025 Increase/Decrease Statement: NA				
Title: 35 Thousand Foot Airdrop		0.000	0.500	-
Description: Develop capabilities to airdrop from 35 thousand feet to increase aircraft standoff range from threat.				
FY 2024 Plans: Continuing to work parafoil and parachute technologies				
FY 2024 to FY 2025 Increase/Decrease Statement: NA				
Title: Enhanced Vision Navigation for Joint Precision Airdrop System		0.000	0.540	0.000
Description: Support to oversee the development of advanced technologies to improve airdrop and other capabilities to the warfighter.				
FY 2024 Plans: Monitor projects progression to ensure costs, schedule, performance				
FY 2025 Plans: FY25 in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Cost of living				
Title: Aerial Delivery Platform		0.000	1.445	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>Description: Platform for air dropping mutple vehicles</p> <p>FY 2024 Plans: Development of platform prototype</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: NA</p>				
<p>Title: Modular Autonomous Ready Dynamic Positioning System</p> <p>Description: Position for sealift lighterage assets</p> <p>FY 2024 Plans: develop prototypes</p> <p>FY 2025 Plans: Continue to develop prototype</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Development costs vary as project progresses</p>		0.000	1.181	0.764
<p>Title: AI-Powered Sensitive Data Masking</p> <p>Description: Focus on masking structured data, building an organizational knowledge base, and masking unstructured data</p> <p>FY 2024 Plans: Identify a focused subset of operational data that is commonly shared across trusted partners.</p> <p>FY 2025 Plans: FY25 plans in BPAC 630004</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Development costs vary as project progresses</p>		0.000	0.300	0.000
<p>Title: Iron Spider</p> <p>Description: Support plans that are released on unclassified, untrusted commercial networks in order to solicit and contract with vendors capable of supplying theater forces.</p> <p>FY 2024 Plans:</p>		0.000	0.775	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Continue to allow permissioned transactional blockchain network integrated with an identity blockchain that controls access FY 2024 to FY 2025 Increase/Decrease Statement: NA				
Title: Massachusetts Institute of Technology Lincoln Labs Description: Partnership with MIT-LL to research efforts to improve enterprise operational architecture supporting high-end analytics, integrated information technology/data structures, understanding of cloud capabilities and multi-level cyber security defense. FY 2024 Plans: Multiple efforts to increase decision support FY 2025 Plans: FY25 plans in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: NA		0.000	2.467	0.000
Title: Modeling & Simulation Innovation Description: Select student research/faculty-assisted projects (e.g., Joint Transportation Asset Scheduling Kit, Next Generation Cargo Capability, Applying Post Modern Portfolio Theory to Mitigate Risk in International Shipping, Optimal CH-47/C-130 Workload Balance, Remotely Piloted Aircraft Performing Airdrop Mission). FY 2024 Plans: Collaboration partnership with AFIT for student research FY 2025 Plans: FY25 plans in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: No significant increase		0.000	0.110	0.000
Title: Aerial Delivery and Autonomous Deployment of Unmanned Vehicles Description: Develop ability to deliver unmanned systems from existing airdrop systems FY 2024 Plans:		0.000	1.904	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Develop release mechanism for unmanned vehicle FY 2025 Plans: FY25 plans in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: Development costs vary as project progresses				
Title: Program Execution Description: Provide technical assistance and program management support to the USTRANSCOM RDT&E Program. FY 2024 Plans: TRL 4-6: Program support to explore technology solutions to capability gaps identified through Joint Concept Development documents, the Joint capabilities Integration and Development System process, Joint Experimentation, etc, to increase the responsiveness, efficiency and effectiveness of the Joint Deployment and Distribution Enterprise. FY 2025 Plans: FY25 plans in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: Cost of living		0.000	1.056	0.000
Title: Analyzer Driven Data Integrity Description: Increase data integrity FY 2024 Plans: Contiune plan design FY 2025 Plans: FY25 plans in BPAC 630004 FY 2024 to FY 2025 Increase/Decrease Statement: No significant decrease		0.000	0.397	0.000
Title: Strategic Theater Orchestration and Resource Management Description: Provide ability more effectively and efficiently manage theater lift assets		0.000	1.310	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>FY 2024 Plans: Established Strategic-Theater Scenarios</p> <p>FY 2025 Plans: FY25 plans in BPAC 630004</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Development cots vary as project progresses</p>				
<p>Title: Risk Assessment and Vetting for the Enterprise</p> <p>Description: Effort will provide the ability to assess deployment distribution risk factors</p> <p>FY 2024 Plans: Move from desig to development phases</p> <p>FY 2025 Plans: Complete development</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Costs vary as project progresses</p>		0.000	1.900	0.700
<p>Title: Component Level Operational Decision Advantage</p> <p>Description: Develop detailed decision support tool that provides insight at the component level</p> <p>FY 2024 Plans: Initiate the agile software development approach</p> <p>FY 2025 Plans: Continue the agile software development approach</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Costs vary as project progresses</p>		0.000	1.524	1.484
<p>Title: JDDE Mission Assurance Coordinator</p> <p>Description: Develop a JDDE-wide method for mission coordination</p> <p>FY 2024 Plans:</p>		0.000	0.426	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024		
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Iterations of conceive, build, and test solutions				
FY 2025 Plans: FY25 plans in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Ramping up of development phase				
Title: Oversight		0.000	1.330	-
Description: Enable continuous tracking of adversary cyber groups and campaigns targeting USTRANSCOM and USINDOPACOM enterprise and their partners				
FY 2024 Plans: Continue anomaly detection and predictive analysis to dynamically assess threats, attack vectors and adversary intent				
FY 2024 to FY 2025 Increase/Decrease Statement: NA				
Title: Cyber Mission Assurance Technologies		0.000	3.170	0.000
Description: Near real-time understanding of the operational impact of cyber risks, threats, and disruptions.				
FY 2024 Plans: Continue to develop integrated analysis/decision processes involving complex ops/cyber data by selecting pre-approved actions and coordinating stakeholders in the fight-through of cyber risks/disruptions to executing missions and Cyber Critical Asset Lists				
FY 2025 Plans: FY25 plans in BPAC 630004				
FY 2024 to FY 2025 Increase/Decrease Statement: Costs vary as project progresses				
Accomplishments/Planned Programs Subtotals		0.000	31.833	4.840
C. Other Program Funding Summary (\$ in Millions)				
N/A				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>

C. Other Program Funding Summary (\$ in Millions)

Remarks

~\$27M of BPAC in FY25 being shifted to new BA3 BPAC. Same shift of funds in the out years as well.

D. Acquisition Strategy

Requirements for joint deployment and distribution enterprise technology enhancements are annually identified, validated and prioritized by the Joint Deployment & Distribution Enterprise (JDDE) community. Pursuit of the development of new/improved capabilities to meet these requirements is managed by the United States Transportation Command (USTRANSCOM). Prototype products, once evaluated by the users, are spirally transitioned by the operational community.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force												Date: March 2024			
Appropriation/Budget Activity 3600 / 4				R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>				Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics Support	Various	USTRANSCOM : Scott AFB, IL	-	-		31.833		4.840		-		4.840	Continuing	Continuing	-
Subtotal			-	-		31.833		4.840		-		4.840	Continuing	Continuing	N/A
			Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		31.833		4.840		-		4.840	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>

	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<i>Deployment and Distribution</i>																												
Integrated Logistics Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604776F / <i>Deployment & Distribution Enterprise R&D</i>	Project (Number/Name) 640216 / <i>Deployment and Distribution Innovation</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Deployment and Distribution</i>				
Integrated Logistics Support	1	2024	4	2029