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**Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b>					<b>R-1 Program Element (Number/Name)</b>							
3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>					PE 0604776F I <i>Deployment &amp; Distribution Enterprise R&amp;D</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	39.311	27.586	31.833	0.000	31.833	32.544	33.356	34.039	35.270	Continuing	Continuing
640211: <i>GLOBAL ACCESS</i>	-	9.484	7.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.555
640212: <i>C2/OPTIMIZATION/ MODELING AND SIMULATION</i>	-	24.166	15.587	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.753
640213: <i>CYBER</i>	-	5.461	4.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.389
640215: <i>Transportation Management Service</i>	-	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200
640216: <i>Deployment and Distribution Innovation</i>	-	0.000	0.000	31.833	0.000	31.833	32.544	33.356	34.039	35.270	Continuing	Continuing

**Note**

This program, BA 4, PE 0604776F, project , Aerial Delivery - Low Cost Modular GPS Denied Kit, is a new start.  
 This program, BA 4, PE 0604776F, project , Automatic Landing Zone, is a new start.  
 This program, BA 4, PE 0604776F, project , Container Airdrop, is a new start.  
 This program, BA 4, PE 0604776F, project , Expeditionary Concrete Construction for Ports of Debarkation, is a new start.  
 This program, BA 4, PE 0604776F, project , Global Reach, is a new start.  
 This program, BA 4, PE 0604776F, project , Scalable Autonomous Modular Propulsion Kits, is a new start.  
 This program, BA 4, PE 0604776F, project , Large Area Runway Repair Gone Expeditionary, is a new start.  
 This program, BA 4, PE 0604776F, project , Theater Mitigation Alternatives at Military Entry Control Facilities, is a new start.  
 This program, BA 4, PE 0604776F, project , AI-Powered Sensitive Data Masking, is a new start.

ZBT has been approved to consolidate BPACS 640211, 640212, 640213 into one BPAC 640216 starting in FY24.

**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/

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>
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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.

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.

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.

<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2022</u></b>	<b><u>FY 2023</u></b>	<b><u>FY 2024 Base</u></b>	<b><u>FY 2024 OCO</u></b>	<b><u>FY 2024 Total</u></b>
Previous President's Budget	40.103	27.586	31.761	0.000	31.761
Current President's Budget	39.311	27.586	31.833	0.000	31.833
Total Adjustments	-0.792	0.000	0.072	0.000	0.072
• 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	-0.792	0.000			
• Other Adjustments	0.000	0.000	0.072	0.000	0.072

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**Exhibit R-2A, RDT&E Project Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640211 / <i>GLOBAL ACCESS</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
640211: <i>GLOBAL ACCESS</i>	-	9.484	7.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.555
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

**Note**

ZBT has been approved to consolidate BPACS 640211, 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 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 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 2022	FY 2023	FY 2024
<b>Title:</b> Petroleum Undersea Sustainment Hose	0.450	0.260	0.000
<b>Description:</b> 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).			
<b>FY 2023 Plans:</b> Addresses Sea Basing Technologies/Logistics-Over-The-Shore need to enhance the Joint Force Commander's flexibility			
<b>FY 2024 Plans:</b> See BPAC 640216			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development costs vary by FY			
<b>Title:</b> Airdrop System - Precision Extended Glide	-	0.300	0.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Demonstrate a long range powered parafoil system to reduce risk to delivery aircraft</p> <p><b>FY 2023 Plans:</b> Begin design development of extended glide technology</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start</p>				
<p><b>Title:</b> Collision Avoidance and Navigation Insight System/Aerial Port of the Future</p> <p><b>Description:</b> Autonomous Technologies applied to the 60K Tunner to improve throughput and safety</p> <p><b>FY 2023 Plans:</b> Funding will develop future airport automation</p> <p><b>FY 2024 Plans:</b> Project ends in FY23</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		1.612	1.000	0.000
<p><b>Title:</b> Submersible Matting</p> <p><b>Description:</b> 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.</p> <p><b>FY 2023 Plans:</b> Build for manufacture analysis and preliminary fabrication</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		0.674	0.064	-
<p><b>Title:</b> Rapid Available Interface for trans-Loading</p> <p><b>Description:</b> 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.</p>		1.500	0.500	0.000

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<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640211 / <i>GLOBAL ACCESS</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> Work will identify and develop a robotic survey vehicle integrated with rail condition survey equipment.</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>				
<p><b>Title:</b> Repair and Retrofit of Railway Systems</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> Work will identify and develop a robotic survey vehicle integrated with rail condition survey equipment.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		1.100	0.750	-
<p><b>Title:</b> Drone Supported Surface Deployment</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> Finalize testing and demonstration</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends in FY23</p>		0.249	0.350	-
<p><b>Title:</b> Buoyant Roll On/Roll Off Interface Kit</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b></p>		1.050	0.400	0.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Continue to develop a prototype rapidly deployable ship-to-shore connector capability <b>FY 2024 Plans:</b> See BPAC 640216 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY				
<b>Title:</b> 35 Thousand Foot Airdrop <b>Description:</b> Develop capabilities to airdrop from 35 thousand feet to increase aircraft standoff range from threat. <b>FY 2023 Plans:</b> Continuing to work parafoil and parachute technologies <b>FY 2024 Plans:</b> See BPAC 640216 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY		1.000	0.200	0.000
<b>Title:</b> Replenishment from Ships to Point of Need Delivery <b>Description:</b> Unmanned system launched from ships and capable of carrying supplies up to 100 miles inland. <b>FY 2023 Plans:</b> Continue development of technologies to support required payloads and distances <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23		0.350	0.525	-
<b>Title:</b> Use of Dual Row Airdrop System with Joint Light Tactical Vehicle <b>Description:</b> Increasing the strength of C-17 dual row rails to enable dropping the JLTV <b>FY 2023 Plans:</b> Continuing to apply technologies and test results <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23		0.602	0.300	-
<b>Title:</b> Enhanced Vision Navigation for Joint Precision Airdrop System		0.427	0.531	0.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Advanced technologies to improve airdrop capabilities to the warfighter.</p> <p><b>FY 2023 Plans:</b> Continuing to work technologies to improve airdrop capabilities</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> None</p>				
<p><b>Title:</b> Aerial Delivery Platform</p> <p><b>Description:</b> Platform for air dropping mutple vehicles</p> <p><b>FY 2023 Plans:</b> Will design platform</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development costs vary by FY</p>		-	0.499	0.000
<p><b>Title:</b> Modular Autonomous Ready Dynamic Positioning System</p> <p><b>Description:</b> Position for sealift lighterage assets</p> <p><b>FY 2023 Plans:</b> Will develop a positioning system for sealift lighterage assets</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>		0.000	0.387	0.000
<p><b>Title:</b> Spectrum Exploitation for Emissions Control</p> <p><b>Description:</b> Mitigate/reduce risks of emissions detection from civilian/commercial vessels</p>		0.320	0.300	0.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b><i>FY 2023 Plans:</i></b> Mitigate/reduce risks of emissions detection from civilian/commercial vessels</p> <p><b><i>FY 2024 Plans:</i></b> See BPAC 640216</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Varies by development timeline</p>			
<p><b><i>Title:</i></b> Resilient Expeditionary Agile Littoral Logistics</p> <p><b><i>Description:</i></b> Transfer of fuel ashore from various conveyances from off-shore platform</p> <p><b><i>FY 2023 Plans:</i></b> Continue technology development of fuel transfer</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Project ending FY23</p>	0.150	0.705	-
<b>Accomplishments/Planned Programs Subtotals</b>	9.484	7.071	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 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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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 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	2022	4	2023

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>				<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
640212: <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>	-	24.166	15.587	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.753
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)**

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> TRANSCOM Innovation	15.836	5.596	0.000
<b>Description:</b> Rapidly develop and integrate technology solutions for the enterprise			
<b>FY 2023 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Continue to pursue and develop solutions to identified challenges				
<b>FY 2024 Plans:</b> See BPAC 640216				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Each year new initiatives are identified in support of contested logistics that increase development costs				
<b>Title:</b> Iron Spider		0.100	0.891	0.000
<b>Description:</b> Support plans that are released on unclassified, untrusted commercial networks in order to solicit and contract with vendors capable of supplying theater forces.				
<b>FY 2023 Plans:</b> Funding will allow permissioned transactional blockchain network integrated with an identity blockchain that controls access				
<b>FY 2024 Plans:</b> See BPAC 640216				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY				
<b>Title:</b> Resilient Logistics JCTD		0.200	0.000	-
<b>Description:</b> Deliver logistical deception kits to confuse and deny enemy Intelligence, Surveillance, Reconnaissance (ISR)				
<b>FY 2023 Plans:</b> Project ends FY22				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> N/A				
<b>Title:</b> Air Refueling Optimization		0.700	0.000	-
<b>Description:</b> System managing the various phases of the Air Refueling (AR) fleet management, validation, allocation and execution process.				
<b>FY 2023 Plans:</b> Project ends FY22				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
N/A				
<p><b>Title:</b> Safety Analysis of Modified Midwest Guardrail</p> <p><b>Description:</b> 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</p> <p><b>FY 2023 Plans:</b> Funding will establish entry control facilities ECF guardrail standards to mitigate terrorism/asymmetric threats</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		0.800	0.350	-
<p><b>Title:</b> Data Lake</p> <p><b>Description:</b> Develop and demonstrate the capability that allows incongruent data to be brought together to provide automated decision support.</p> <p><b>FY 2023 Plans:</b> Funding will permit increase in data management</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		0.900	1.675	-
<p><b>Title:</b> End-to-End Deployment and Distribution Modeling</p> <p><b>Description:</b> Provide an integrated deployment/distribution environment to provide continuous and optimal balancing of total demand verse capacity from planning through mission execution.</p> <p><b>FY 2023 Plans:</b> Funding will allow model deployment and distribution</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		0.050	0.300	-
<p><b>Title:</b> Massachusetts Institute of Technology Lincoln Labs</p> <p><b>Description:</b> 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>		2.439	1.698	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> Effort ends FY24</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>				
<p><b>Title:</b> Modeling &amp; Simulation Innovation</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> Collaboration partnership with AFIT for student research</p> <p><b>FY 2024 Plans:</b> Collaboration partnership with AFIT for student research</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Collaboration partnership with AFIT for student research</p>		0.109	0.105	0.000
<p><b>Title:</b> Infrastructure Information Confidence Model</p> <p><b>Description:</b> Inform decision makers of the quality of primary and alternate data sources they are using to make decisions</p> <p><b>FY 2023 Plans:</b> Increase model capability</p> <p><b>FY 2024 Plans:</b> Ends in FY23</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Project ends FY23</p>		0.674	0.341	0.000
<p><b>Title:</b> Aerial Delivery and Autonomous Deployment of Unmanned Vehicles</p> <p><b>Description:</b> Develop ability to deliver unmanned systems from existing airdrop systems</p>		0.828	1.010	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> Aerial Delivery and Autonomous Deployment of Unmanned Vehicles</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>				
<p><b>Title:</b> Program Execution</p> <p><b>Description:</b> Provide technical assistance and program management support to the USTRANSCOM RDT&amp;E Program.</p> <p><b>FY 2023 Plans:</b> 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.</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> COLA</p>		1.017	1.150	0.000
<p><b>Title:</b> Scheduling Mobility Aircrews for Readiness and Transportation</p> <p><b>Description:</b> Develop prototype software for advanced squadron scheduling, collaboration, and predictive modeling.</p> <p><b>FY 2023 Plans:</b> Projet ends FY22</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> N/A</p>		0.513	0.000	-
<p><b>Title:</b> Analyzer Driven Data Integrity</p> <p><b>Description:</b> Increase data integrity</p> <p><b>FY 2023 Plans:</b></p>		-	0.238	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
begin plan design <b>FY 2024 Plans:</b> See BPAC 640216 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY				
<b>Title:</b> Strategic Theater Orchestration and Resource Management <b>Description:</b> Ability to manage theater lift assets <b>FY 2023 Plans:</b> Begin system design <b>FY 2024 Plans:</b> See BPAC 640216 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY		-	0.615	0.000
<b>Title:</b> Risk Assessment and Vetting for the Enterprise <b>Description:</b> Assessing deployment distribution risk <b>FY 2023 Plans:</b> Begin design phase <b>FY 2024 Plans:</b> See BPAC 640216 <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY		-	0.700	0.000
<b>Title:</b> Component Level Operational Decision Advantage <b>Description:</b> develop detailed decision support tool <b>FY 2023 Plans:</b> Begin design plans <b>FY 2024 Plans:</b>		-	0.500	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
See BPAC 640216				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies as project progresses				
<b>Title:</b> JDDE Mission Assurance Coordinator		-	0.418	0.000
<b>Description:</b> Develop a JDDE-wide method for mission coordination				
<b>FY 2023 Plans:</b> Begin design development				
<b>FY 2024 Plans:</b> See BPAC 640216				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies as project progresses				
<b>Accomplishments/Planned Programs Subtotals</b>		24.166	15.587	0.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
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 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>
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<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	-	24.166	Nov 2021	15.587	Nov 2022	0.000		-		0.000	0.000	39.753	-
<b>Subtotal</b>			-	24.166		15.587		0.000		-		0.000	0.000	39.753	N/A

**Remarks**  
Funds will be realigned within PE.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	-	24.166	15.587	0.000	-	0.000	0.000	39.753	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640212 / <i>C2/OPTIMIZATION/MODELING AND SIMULATION</i>

	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 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	2022	4	2023

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**Exhibit R-2A, RDT&E Project Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640213 / <i>CYBER</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
640213: <i>CYBER</i>	-	5.461	4.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.389
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 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>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2022	FY 2023	FY 2024
<p><b>Title:</b> Oversight</p> <p><b>Description:</b> Enable continuous tracking of adversary cyber groups and campaigns targeting USTRANSCOM and USINDOPACOM enterprise and their partners</p> <p><b>FY 2023 Plans:</b> Funding will provide anomaly detection and predictive analysis to dynamically assess threats, attack vectors and adversary intent</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> See BPAC 640216</p>	1.324	1.330	0.000
<p><b>Title:</b> Cyber Mission Assurance Technologies</p>	0.590	2.598	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640213 / <i>CYBER</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Near real-time understanding of the operational impact of cyber risks, threats, and disruptions.</p> <p><b>FY 2023 Plans:</b> Funding will 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</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies as project progresses</p>			
<p><b>Title:</b> Lincoln Labs</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> Harmonized data and flexible analytic data architectures that provide ease of data sharing, scalability, to support operational decision making</p> <p><b>FY 2024 Plans:</b> See BPAC 640216</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> N/A</p>	3.547	1.000	0.000
<b>Accomplishments/Planned Programs Subtotals</b>	5.461	4.928	0.000

<p><b>C. Other Program Funding Summary (\$ in Millions)</b> N/A</p> <p><b>Remarks</b></p> <p><b>D. Acquisition Strategy</b> Requirements for joint deployment and distribution enterprise technology enhancements are annually identified, validated and prioritized by the Joint Deployment &amp; 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.</p>
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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640213 / <i>CYBER</i>

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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

<b><i>Deployment and Distribution</i></b>	
Integrated Logistics Support	[REDACTED]

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640213 / <i>CYBER</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Deployment and Distribution</i></b>				
Integrated Logistics Support	1	2022	4	2023

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>				<b>Project (Number/Name)</b> 640215 / <i>Transportation Management Service</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
640215: <i>Transportation Management Service</i>	-	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200
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**

The program will deliver integrated, streamlined transportation and financial data and processes, supporting the Joint Deployment and Distribution Enterprise (JDDE). Services and DoD agencies will have a system to automate the linkage between transportation action tasks and transportation business related tasks across the full spectrum of financial activity, from obligations through general ledger accounting. It will also close all major gaps that prevent auditability within the transportation spend across DoD and achieve significant gains in two of the focus areas of the Department of Defense's Data Strategy: Senior Leader Decision Support and Business Analytics. Through the JTMS's ability to seamlessly integrate financial data and information with transportation operations in the joint domain, it will give JDDE users the ability to see to the transactional level in a resilient transportation network while reducing duplicate capabilities.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Transportation Financial Product Development	0.200	0.000	-
<b>Description:</b> Pre-acquisition activities			
<b>FY 2023 Plans:</b> R&D Development			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	0.200	0.000	-

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

N/A

**Remarks**

In FY2023 JTMS executes out of PE 0604668F

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640215 / <i>Transportation Management Service</i>

**D. Acquisition Strategy**  
Reforms the Defense Transportation System (DTS) by integrating financial and transportation transactions at the transactional level to effectively manage resources through a transportation requirement's plan to pay lifecycle. Program will improve resource management and budgeting accuracy, maximize buying power, strengthen financial management decision-making, and improve the Department's effort to achieve auditability.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640215 / <i>Transportation Management Service</i>
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<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	Belleville, IL : IL	-	0.200	Nov 2021	-		-		-		-	0.000	0.200	-
<b>Subtotal</b>			-	0.200		-		-		-		-	0.000	0.200	N/A
<b>Project Cost Totals</b>			-	0.200		-		-		-		-	0.000	0.200	N/A

**Remarks**  
DoD enterprise end-to-end transportation and transportation-related financial business process reform.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640215 / <i>Transportation Management Service</i>

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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

<b><i>Integrated Logistics Support</i></b>	
Develop Transportation Products and Processes	[REDACTED]

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640215 / <i>Transportation Management Service</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Integrated Logistics Support</i></b>				
Develop Transportation Products and Processes	1	2022	4	2022

**Note**

DoD enterprise end-to-end transportation and transportation-related financial business process reform.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>				<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
640216: <i>Deployment and Distribution Innovation</i>	-	0.000	0.000	31.833	0.000	31.833	32.544	33.356	34.039	35.270	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

- This program, BA 4, PE 0604776F, project , Aerial Delivery - Low Cost Modular GPS Denied Kit, is a new start.
- This program, BA 4, PE 0604776F, project , Automatic Landing Zone, is a new start.
- This program, BA 4, PE 0604776F, project , Container Airdrop, is a new start.
- This program, BA 4, PE 0604776F, project , Expeditionary Concrete Construction for Ports of Debarkation, is a new start.
- This program, BA 4, PE 0604776F, project , Global Reach, is a new start.
- This program, BA 4, PE 0604776F, project , Scalable Autonomous Modular Propulsion Kits, is a new start.
- This program, BA 4, PE 0604776F, project , Large Area Runway Repair Gone Expeditionary, is a new start.
- This program, BA 4, PE 0604776F, project , Theater Mitigation Alternatives at Military Entry Control Facilities, is a new start.
- This program, BA 4, PE 0604776F, project , AI-Powered Sensitive Data Masking, is a new start.

FY24 ZBT consolidates BPACS 640211, 640212, 640213 into 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.

This program also 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

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
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.				
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> TRANSCOM Innovation <b>Description:</b> Rapidly develop and integrate technology solutions for the enterprise <b>FY 2023 Plans:</b> See BPAC 640212 <b>FY 2024 Plans:</b> Continue to pursue and develop solutions to identified challenges <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Technology pursuits vary every FY		-	0.000	1.445
<b>Title:</b> Petroleum Undersea Sustainment Hose <b>Description:</b> 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). <b>FY 2023 Plans:</b> See BPAC 640211 <b>FY 2024 Plans:</b> Addresses Sea Basing Technologies/Logistics-Over-The-Shore need to enhance the Joint Force Commander's flexibility <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development costs vary by FY		-	0.000	0.800
<b>Title:</b> Aerial Delivery - Low Cost Modular GPS Denied Kit <b>Description:</b> Demonstrate a low size, weight, power and cost kit that can provide GPS-denied navigation, aerial delivery platforms <b>FY 2023 Plans:</b> FY24 New Start <b>FY 2024 Plans:</b>		-	0.000	0.750

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Contract engineering, flight testing				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Airdrop System - Precision Extended Glide		-	0.000	0.750
<b>Description:</b> Demonstrate a long range powered parafoil system to reduce risk to delivery aircraft				
<b>FY 2023 Plans:</b> See BPAC 640211				
<b>FY 2024 Plans:</b> Systems Engineering, Component Procurements.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development costs vary as project progresses				
<b>Title:</b> Automatic Landing Zone		-	0.000	0.496
<b>Description:</b> Aid selection of a LZ/DZ by presenting the user with a map-based course of action decision tool, at point of need				
<b>FY 2023 Plans:</b> FY24 New Start				
<b>FY 2024 Plans:</b> Understanding the data formats and interfaces of the following existing GOTs products				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Container Airdrop		-	0.000	0.500
<b>Description:</b> Enable the airdrop of a standard 20ft ISO container from a C-17 utilizing standard low altitude airdrop methods				
<b>FY 2023 Plans:</b> FY24 New Start				
<b>FY 2024 Plans:</b>				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Develop Container-Platform Lock System				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Expeditionary Concrete Construction for Ports of Debarkation		-	0.000	0.500
<b>Description:</b> Use indigenous materials for contingency construction while minimizing logistics required to enable the construction				
<b>FY 2023 Plans:</b> FY24 New Start				
<b>FY 2024 Plans:</b> Material procurement and characterization				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Global Reach		-	0.000	0.803
<b>Description:</b> Tactical Situation, COP, mission planning, intelligence, communications resiliency, ship survivability capabilities				
<b>FY 2023 Plans:</b> FY24 New Start				
<b>FY 2024 Plans:</b> 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.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Scalable Autonomous Modular Propulsion Kits		-	0.000	0.400
<b>Description:</b> Develop scalable modular propulsion kits with marine automation for installation on ocean/riverine commercial barges				
<b>FY 2023 Plans:</b>				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
FY24 New Start <b>FY 2024 Plans:</b> Autonomous control system used to convert manned vessels to autonomous unmanned capability <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start				
<b>Title:</b> Large Area Runway Repair Gone Expeditionary <b>Description:</b> Deliver TTPs/equipment to enhance capabilities to repair large craters <b>FY 2023 Plans:</b> FY24 New Start <b>FY 2024 Plans:</b> Develop new and mature technologies that will enable airbase recovery <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start		-	0.000	1.000
<b>Title:</b> Theater Mitigation Alternatives at Military Entry Control Facilities <b>Description:</b> Research and physical testing to gather and analyze data for improving Entry Control Facilities <b>FY 2023 Plans:</b> FY24 New Start <b>FY 2024 Plans:</b> Begin reserach efforts to gather required data <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY24 New Start		-	0.000	1.420
<b>Title:</b> Rapid Available Interface for trans-Loading <b>Description:</b> Provides a process to rapidly assess the condition, design acceptable repairs and delivers prekitted 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. <b>FY 2023 Plans:</b>		-	0.000	0.500

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
See BPAC 640211				
<p><b>FY 2024 Plans:</b> Work will identify and develop a robotic survey vehicle integrated with rail condition survey equipment.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> No Change</p>				
<p><b>Title:</b> Buoyant Roll On/Roll Off Interface Kit</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> See BPAC 640211</p> <p><b>FY 2024 Plans:</b> Continue to develop a prototype rapidly deployable ship-to-shore connector capability</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Costs vary by FY</p>		-	0.000	0.750
<p><b>Title:</b> 35 Thousand Foot Airdrop</p> <p><b>Description:</b> Develop capabilities to airdrop from 35 thousand feet to increase aircraft standoff range from threat.</p> <p><b>FY 2023 Plans:</b> See BPAC 640211</p> <p><b>FY 2024 Plans:</b> Continuing to work parafoil and parachute technologies</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Varies by FY</p>		-	0.000	0.500
<p><b>Title:</b> Enhanced Vision Navigation for Joint Precision Airdrop System</p> <p><b>Description:</b> Support to oversee the development of advanced technologies to improve airdrop and other capabilities to the warfighter.</p>		-	0.000	0.540

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2023 Plans:</b> See BPAC 640211</p> <p><b>FY 2024 Plans:</b> Monitor projects progression to ensure costs, schedule, performance</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> NA</p>				
<p><b>Title:</b> Aerial Delivery Platform</p> <p><b>Description:</b> Platform for air dropping mutple vehicles</p> <p><b>FY 2023 Plans:</b> See BPAC 640211</p> <p><b>FY 2024 Plans:</b> Development of platform prototype</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>		-	0.000	1.445
<p><b>Title:</b> Modular Autonomous Ready Dynamic Positioning System</p> <p><b>Description:</b> Position for sealift lighterage assets</p> <p><b>FY 2023 Plans:</b> See BPAC 640211</p> <p><b>FY 2024 Plans:</b> develop prototypes</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Varies by FY</p>		-	0.000	1.181
<p><b>Title:</b> Spectrum Exploitation for Emissions Control</p> <p><b>Description:</b> Mitigate/reduce risks of emissions detection from civilian/commercial vessels</p> <p><b>FY 2023 Plans:</b></p>		-	0.000	0.882

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
See BPAC 640211				
<b>FY 2024 Plans:</b> Conduct lab testing to Mitigate/reduce risks of emissions detection from civilian/commercial vessels				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Varies by FY				
<b>Title:</b> AI-Powered Sensitive Data Masking		-	0.000	0.300
<b>Description:</b> Focus on masking structured data, building an organizational knowledge base, and masking unstructured data				
<b>FY 2023 Plans:</b> FY24 New Start				
<b>FY 2024 Plans:</b> Identify a focused subset of operational data that is commonly shared across trusted partners.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> NA				
<b>Title:</b> Iron Spider		-	0.000	0.775
<b>Description:</b> Support plans that are released on unclassified, untrusted commercial networks in order to solicit and contract with vendors capable of supplying theater forces.				
<b>FY 2023 Plans:</b> See BPAC 640212				
<b>FY 2024 Plans:</b> Continue to allow permissioned transactional blockchain network integrated with an identity blockchain that controls access				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Varies by FY				
<b>Title:</b> Massachusetts Institute of Technology Lincoln Labs		-	0.000	3.100
<b>Description:</b> Partnership with MIT-LL to research efforts to improve enterprise operational architecture supporting high-end analytics, integrated information technology/data structures, understanding of cloud				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
capabilities and multi-level cyber security defense.				
<p><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> Multiple efforts to increase decision support</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Varies by FY</p>				
<p><b>Title:</b> Modeling &amp; Simulation Innovation</p> <p><b>Description:</b> 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><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> Collaboration partnership with AFIT for student research</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Funding varies very little each FY</p>		-	0.000	0.125
<p><b>Title:</b> Aerial Delivery and Autonomous Deployment of Unmanned Vehicles</p> <p><b>Description:</b> Develop ability to deliver unmanned systems from existing airdrop systems</p> <p><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> Develop release mechanism for unmanned vehicle</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development varies by FY</p>		-	0.000	1.904
<b>Title:</b> Program Execution		-	0.000	1.056

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Provide technical assistance and program management support to the USTRANSCOM RDT&amp;E Program.</p> <p><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> 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.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Very little variation by FY</p>				
<p><b>Title:</b> Analyzer Driven Data Integrity</p> <p><b>Description:</b> Increase data integrity</p> <p><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> Contiune plan design</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Increase in design development</p>		-	0.000	0.475
<p><b>Title:</b> Strategic Theater Orchestration and Resource Management</p> <p><b>Description:</b> Provide ability more effectively and efficiently manage theater lift assets</p> <p><b>FY 2023 Plans:</b> See BPAC 640212</p> <p><b>FY 2024 Plans:</b> Established Strategic-Theater Scenarios</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>		-	0.000	1.310

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Going from system design to scenario build				
<b>Title:</b> Risk Assessment and Vetting for the Enterprise <b>Description:</b> Effort will provide the ability to assess deployment distribution risk factors  <b>FY 2023 Plans:</b> See BPAC 640212  <b>FY 2024 Plans:</b> Move from desig to development phases  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Starting development phase increases costs		-	0.000	1.900
<b>Title:</b> Component Level Operational Decision Advantage <b>Description:</b> Develop detailed decision support tool that provides insight at the component level  <b>FY 2023 Plans:</b> See BPAC 640212  <b>FY 2024 Plans:</b> Initiate the agile software development approach  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development increase between phases		-	0.000	1.524
<b>Title:</b> JDDE Mission Assurance Coordinator <b>Description:</b> Develop a JDDE-wide method for mission coordination  <b>FY 2023 Plans:</b> See BPAC 640212  <b>FY 2024 Plans:</b> Iterations of conceive, build, and test solutions  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Software development increase		-	0.000	1.605
<b>Title:</b> Oversight		-	0.000	1.330

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Air Force		<b>Date:</b> March 2023	
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>
<p><b>Description:</b> Enable continuous tracking of adversary cyber groups and campaigns targeting USTRANSCOM and USINDOPACOM enterprise and their partners</p> <p><b>FY 2023 Plans:</b> See BPAC 640213</p> <p><b>FY 2024 Plans:</b> Continue anomaly detection and predictive analysis to dynamically assess threats, attack vectors and adversary intent</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Same funding level</p>			
<p><b>Title:</b> Cyber Mission Assurance Technologies</p> <p><b>Description:</b> Near real-time understanding of the operational impact of cyber risks, threats, and disruptions.</p> <p><b>FY 2023 Plans:</b> See BPAC 640213</p> <p><b>FY 2024 Plans:</b> 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</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Development increases in FY24</p>		-	0.000
<b>Accomplishments/Planned Programs Subtotals</b>		-	0.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
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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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>

	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604776F / <i>Deployment &amp; Distribution Enterprise R&amp;D</i>	<b>Project (Number/Name)</b> 640216 / <i>Deployment and Distribution Innovation</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Deployment and Distribution</i></b>				
Integrated Logistics Support	1	2024	4	2028