Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Defense Logistics Agency

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3:

PE 0603713S I Deployment and Distribution Enterprise Technology

Date: May 2017

Advanced Technology Developme	ent (ATD)											
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	145.998	29.888	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	175.886
1: Capabilities Based Logistics	7.342	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.342
2: Deployment and Distribution Velocity Management	6.869	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.869
3: Cross Domain Intuitive Planning	2.408	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.408
4: End-to-End Visibility	6.639	0.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.039
5: Distribution Planning and Forecasting	8.504	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	8.504
6: Joint Transportation Interface	14.917	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	14.917
7: Distribution Protection/Safety/ Security	15.135	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	15.135
8: Command and Control/ Optimization/Modeling and Simulation	57.459	16.492	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	73.951
9: Cyber	5.780	5.436	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	11.216
10: Global Access	20.945	7.560	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	28.505

Note

NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

A. Mission Description and Budget Item Justification

USTRANSCOM is tasked to provide globally integrated, agile deployment and distribution solutions as well as related enabling capabilities to support national security, force readiness and sustainability within an increasingly constrained defense budget. Unpredictable/extended global distribution routes, limited visibility of sustainment requirements, force packaging limitations, lift constraints, anti-access/area denial concerns, complex supply chains, as well as non-networked battlefield command and control, planning, and decision support tools impede timely customer logistical support. To project unimpeded global power and influence, USTRANSCOM must have access to relevant, real-time information, invest in enabling capabilities that contribute to mission success, ensure the viability of our capabilities, and implement a relevant transportation strategy. Effective knowledge sharing, decision support and transparency across the joint logistics enterprise, facilitated by secure enterprise-

PE 0603713S: *Deployment and Distribution Enterprise T...* Defense Logistics Agency

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Defense Logistics Agency

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3:

PE 0603713S I Deployment and Distribution Enterprise Technology

Date: May 2017

Advanced Technology Development (ATD)

Appropriation/Budget Activity

wide visibility into logistical processes as well as the ability to effectively collaborate/operate in a contested cyberspace, is required to promote the effective/efficient/responsive global management of force projection and sustainment resources.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	29.888	0.000	0.000	-	0.000
Current President's Budget	29.888	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-	-			

Change Summary Explanation

NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency										Date: May 2017			
Appropriation/Budget Activity 0400 / 3					PE 060371	am Elemen 13S / Deploy Technology	ment and <i>E</i>	•	Project (Number/Name) 1 / Capabilities Based Logistics				
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
1: Capabilities Based Logistics	7.342	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.342	

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

The Department requires procedures and technologies which provide enterprise-level capabilities critical to the distribution system to improve performance of the end-to-end DOD supply chain in direct support of the full range of military operations. Ability to rapidly respond to customers' changing demands, with a reliably high level of service. These needs include: capabilities which enhance any supply or transportation mission (aeromedical, air refueling, joint logistics over-the-shore, and seabasing); analysis, tailoring and implementation of selected best enterprise-level practices from industry; and tools/procedures to optimize transportation plus supply (distribution) plans and schedules in support of an entire operation. This project addresses the required mission support to combatant commanders and other customers in the area of capability-based logistics.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Capabilities Based Logistics	0.000	-	-
FY 2016 Accomplishments: N/A			
Accomplishments/Planned Programs Subtotals	0.000	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Critical enterprise-level distribution system capabilities to improve DOD supply chain performance. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency										Date: May 2017			
Appropriation/Budget Activity 0400 / 3								,	Project (Number/Name) 2 I Deployment and Distribution Velocity Management				
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
2: Deployment and Distribution Velocity Management	6.869	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.869	

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

DOD requires procedures/technologies targeted at optimizing throughput at the nodes and through the conduits of the deployment and distribution supply chains, from origin to point of use and return to include: inventory management enhancers (includes node cargo management/tracking); materiel handling innovations (including methods of reducing handling); improved physical access to nodes (includes aircraft all-weather visual systems); port throughput enhancements (includes in-port time reduction methods); and innovative delivery methods (for example, precision airlift, autonomous re-supply). 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.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Deployment and Distribution Velocity Management	0.000	-	-
FY 2016 Accomplishments:			
N/A			
Accomplishments/Planned Programs Subtotals	0.000	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Increase force projection and sustainment velocity. Plus focus on research and development to address warfighting requirements.

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency											Date: May 2017		
Appropriation/Budget Activity 0400 / 3				ment and <i>E</i>	•	Project (Number/Name) 3 / Cross Domain Intuitive Planning							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
3: Cross Domain Intuitive Planning	2.408	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.408	

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

Procedures/technologies which improve decision-making and collaboration within the supply chain, from the planning stage to real-time execution and retrograde operations, without need for highly specialized operators of the tools. Projects in this area address following areas: decision support tools for any echelon of the supply chain or decision-maker, distribution process simulations and models for analysis and training, distribution demand forecasting/execution monitoring tools, on-line training, automated decision-maker support (e.g., queuing, alerting, recommended courses of action), automated status monitoring with information fusion and drilldown capability, and resilient C2 infrastructure capabilities. This project will provide required mission support to combatant commanders and other distribution/transportation customers in the area of collaborative planning/execution/information sharing/decision support tools.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Cross Domain Intuitive Planning	0.000	-	-
FY 2016 Accomplishments: N/A			
Accomplishments/Planned Programs Subtotals	0.000	_	_

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Improve decision-making and collaboration within the supply chain and focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency										Date: May 2017			
Appropriation/Budget Activity 0400 / 3					PE 060371	am Elemen 13S <i>I Deploy</i> <i>Technology</i>	ment and <i>E</i>	•	Project (Number/Name) 4 I End-to-End Visibility				
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
4: End-to-End Visibility	6.639	0.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.039	

Note

NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

A. Mission Description and Budget Item Justification

Enhanced end-to-end visibility of all aspects of power projection/sustainment spectrum is required to improve the effectiveness/efficiency of deployment/distribution/ redeployment operations to ensure warfighter support and confidence. This requires investigation into next generation Automated Information Technology (AIT)/ Total Asset Visibility (TAV) technologies and/or container security to improve end-to-end distribution visibility, enhance planning/execution, and transform sustainment operations. Includes the ability to determine immediate, reliable, and accurate shipment status through system access or event management. Develop an over-arching process/system architecture which will integrate existing and innovative new programs across the supply chain to provide complete In Transit Visibility (ITV) data, to include visibility of non-DoD cargo during humanitarian/disaster relief operations. The ability of USTRANSCOM to supply transportation support for homeland defense and/or disaster relief depends on effective ways to link with other governmental and civilian agencies. Additionally need to explore the many barriers across the Joint Deployment and Distribution Enterprise (JDDE), to include non-DoD government entities, coalition partners, non-government organizations, and commercial industry, which can create confusion/conflict or detract from the optimization of the JDDE.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: End-to-End Visibility	0.400	-	-
FY 2016 Accomplishments: Completed the development of an advanced predictive forecasting capability for better visibility and forecasting of Class IX (spare parts) demands, anticipated lift needs, and established / measured lift priorities in terms of the operational availability implications of those demands on planned military operations.			
Accomplishments/Planned Programs Subtotals	0.400	_	_

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

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Age	ncy	Date: May 2017
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603713S I Deployment and Distribution Enterprise Technology	Project (Number/Name) 4 I End-to-End Visibility
E. Performance Metrics		
Project performance metrics are specific to each effort and include measures schedules and deliverables stated in the statements of work. >80% transition to enhance the effectiveness and efficiency of DoD logistics/supply chain open	rate of proven technologies to increase force p	

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency											Date: May 2017			
Appropriation/Budget Activity 0400 / 3					PE 060371	am Elemen 3S / Deploy Technology	ment and <i>E</i>	•	Project (Number/Name) 5 I Distribution Planning and Forecasting					
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost		
5: Distribution Planning and Forecasting	8.504	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	8.504		

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

There is a lack of collaborative distribution planning, based on an understanding of aggregated customer requirements, for optimizing the end-to-end distribution process. Planning, forecasting and collaboration are insufficiently advanced to fully synchronize people, processes and assets to execute planned operations. Automated tools should be able to dynamically analyze/predict demand and provide input to advanced distribution planning systems. Project investigates the need for flexible end-to-end enhanced modeling and simulation and collaborative decision support tools.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Distribution Planning and Forecasting	0.000	-	-
FY 2016 Accomplishments:			
N/A			
Accomplishments/Planned Programs Subtotals	0.000	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Planning based on an understanding of customer requirements for optimizing the distribution process. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency											Date: May 2017			
Appropriation/Budget Activity 0400 / 3						R-1 Program Element (Number/Name) PE 0603713S I Deployment and Distribution Enterprise Technology				Project (Number/Name) 6 I Joint Transportation Interface				
COST (\$ in Millions) Prior Years FY 2016 FY 20				FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost		
6: Joint Transportation Interface	14.917	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	14.917		

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

Synchronizing strategic/theater delivery capabilities to meet increasingly dynamic customer needs. Transportation information exchange across the DOD is inhibited by the disparity of systems, differing data standards, and insufficient interfaces. Queries and retrieval of status and shipment information cannot be executed due to lack of connectivity between the various components of the supply chain. The ability to maintain situational awareness of movements at macro/micro (drill down) levels, with associated force and sustainment cargo on board; to track force packages progress, and rapidly determine the impact of any delays or changes to sailing progress and arrival at port of debarkation; and to conduct "what -if" impact assessment of possible changes to delivery asset's course, speed or departure/arrival information as it relates to force or force package delivery/impact of any change on the closure of force packages in theater is required. The ability of USTRANSCOM to supply transportation support for homeland defense and/or disaster relief depends on effective ways to link with other governmental and civilian agencies. Also need to explore the many barriers across the Joint Deployment and Distribution Enterprise (JDDE), to include non-DOD government entities, coalition partners, non-government organizations, and commercial industry, which can create confusion/conflict or detract from the optimization of the JDDE.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Joint Transportation Interface	0.000	_	-
FY 2016 Accomplishments:			
N/A			
Accomplishments/Planned Programs Subtotals	0.000	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Synchronizing, through information exchange, strategic/theater delivery capabilities to meet warfighter needs. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Logistics Agency										Date : May 2017			
Appropriation/Budget Activity 0400 / 3						R-1 Program Element (Number/Name) PE 0603713S I Deployment and Distribution Enterprise Technology				Project (Number/Name) 7 I Distribution Protection/Safety/Security			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
7: Distribution Protection/Safety/ Security	15.135	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	15.135	

Note

Projects 1-3, 5-7 repackaged into new Projects 8-10 starting in FY2013 per ASD (R&E) recommendation.

A. Mission Description and Budget Item Justification

The Theater Commander has not always been able to provide the appropriate security in a timely manner during deployment. In some cases there are insufficient security assets to oversee convoy security in-country; therefore, all movement requirements are competing for the same limited resources. Additionally need to explore new, portable methods of detecting hazardous/asymmetric materials in very small quantities to support safe logistics operations. Also explore technologies to enhance the capability to deliver personnel/materiel to anti-access/austere airfields and seaports.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Distribution Protection/Safety/Security	0.000	-	-
FY 2016 Accomplishments:			
N/A			
Accomplishments/Planned Programs Subtotals	0.000	-	_

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Providing the appropriate security in a timely manner during deployment and distribution operations. Plus focus on research and development to address warfighting requirements.

Exhibit R-2A, RDT&E Project Ju				Date: May	2017							
Appropriation/Budget Activity 0400 / 3	_	3S I Deplo	•	•	Project (Number/Name) 8 I Command and Control/Optimization/ Modeling and Simulation							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
8: Command and Control/ Optimization/Modeling and Simulation	57.459	16.492	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	73.951

A. Mission Description and Budget Item Justification

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, training, automated decision-maker support (e.g., queuing, alerting, courses of action), automated status monitoring with information fusion to include drilldown capability, and resilient C2 infrastructure capabilities. Current planning/forecasting/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.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Command and Control/Optimization/Modeling and Simulation	16.492	0.000	-
FY 2016 Accomplishments: Began a comprehensive account of strategies, optional implementations & recommendations for enterprise-wide management of metadata. Continued the development of robust modeling solutions in the face of uncertainty, provided the capability to model detailed enhanced business rules without major "surgery" or software development, and provided the ability to utilize sub-network modeling to streamline the modeling and analysis process. Continued effort to provide ability to rapidly develop, assess, adapt, and execute plans in a dynamic environment. Continued partnership with Air Force Institute of Technology to develop Modeling and Simulation Decision Support technologies. Continued partnership with Lincoln Labs for information technology system integration and prototype development. Continued effort to increase shared awareness, operational agility and optimize the use of the active duty AR fleet, during the short notice planning process, from a worldwide/fleet-wide perspective, as well as providing the ability to plan, if desired, using allied/coalition/international AR aircraft to refuel DoD aircraft. Continued the effort to develop the ability to effectively and efficiently schedule missions from all known sources of airlift requirements. Completed effort to plan and executing theater distribution of fuel and water. Completed effort to identify ways, at military installation Entry Control Facilities, to reduce threat vehicle speeds and mitigate or defeat the threat through design changes. Completed effort to plan and executing theater distribution of fuel and water.			
		ı	

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense Lo	Date: May 2017					
Appropriation/Budget Activity 0400 / 3	1 8 / Co	roject (Number/Name) I Command and Control/Optimization/ Iodeling and Simulation				
B. Accomplishments/Planned Programs (\$ in Millions) NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution for the 21st Century Theater were transferred to a second control of the 21st Century.			FY 2016	FY 2017	FY 2018	
support auditability, increase management efficiency, and reduce						

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Project performance metrics are specific to each effort and include measures identified in the metric project plans. Project completions/success are monitored against schedules and deliverables stated in the statements of work. >80% transition rate of proven technologies to increase force projection and sustainment velocity. Ability to enhance the effectiveness and efficiency of DoD logistics/supply chain operations.

	Exhibit R-2A, RDT&E Project Ju		Date: May 2017										
Appropriation/Budget Activity 0400 / 3						PE 060371		t (Number/ yment and L y	•	Project (No			
	COST (\$ in Millions) Prior Years FY 2018 FY 2017 Base					FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
9: Cyber 5.780 5.436 0.000 0.000							0.000	0.000	0.000	0.000	0.000	0.000	11.216

Note

NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

A. Mission Description and Budget Item Justification

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

USTRANSCOM requires mission assurance 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 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.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Cyber	5.436	0.000	-
FY 2016 Accomplishments: Continued development of a prototype custom attribute solution with extensive documentation for open standards based identity providers. Continued effort to identify and tailor best business practices, process improvement, knowledge management, and technology transition to operationalize cyber security. Continued partnership with Massachusetts Institute of Technology Lincoln Labs in developing cyber secure enclave. Completed development and delivery of a set of services that will enable USTRANSCOM to recognize disruptive events or potential disruptive events, understand their impact, determine a response as well as choose and implement the response that best balances addressing the cyber threat while minimizing mission impact.			
FY 2017 Plans: NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.			
Accomplishments/Planned Programs Subtotals	5.436	0.000	-

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

N/A

Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense	e Logistics Agency	Date : May 2017
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603713S I Deployment and Distribution Enterprise Technology	Project (Number/Name) 9 / Cyber
C. Other Program Funding Summary (\$ in Millions) Remarks	,	
D. Acquisition Strategy N/A		
E. Performance Metrics Project performance metrics are specific to each effort and incl schedules and deliverables stated in the statements of work. > to enhance the effectiveness and efficiency of DoD logistics/su	>80% transition rate of proven technologies to increase force p	

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	Exhibit R-2A, RDT&E Project Ju		Date: May 2017										
Appropriation/Budget Activity 0400 / 3						PE 060371		*	•	Project (Number/Name) 10 / Global Access			
	COST (\$ in Millions) Prior Years FY 2018 FY 2017 Base					FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
	10: Global Access	-	0.000	0.000	0.000	0.000	0.000	0.000	28.505				

Note

NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.

A. Mission Description and Budget Item Justification

DoD requires 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 enhancements, 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.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Global Access	7.560	0.000	-
FY 2016 Accomplishments: Began building a prototype modular petroleum pumping system that will provide a development path for Navy/USMC shipto-shore technology. Began development and integration of Large Aircraft Infrared Countermeasures (LAIRCM) Enhanced Situational Awareness capability. Started development of a capability to rapidly assess degraded/damaged ports in strategic locations. Began effort to develop precision, on-demand air drop resupply of small units in remote/austere locations based on request from unit in need. Commenced effort to provide visual/guidance technologies to use when global positioning systems are not available. Completed development of an operational prototype real-time monitoring and display system of local wave/current/ wind conditions. Completed effort to deliver an appliqué system that can be added onto currently fielded Rough Terrain Cargo Handlers. Completed effort to remotely access and retrieve containers and vehicles at sea.			
FY 2017 Plans: NOTE: In FY 2017, PE 0603713S (BA3) Deployment and Distribution Enterprise Technology and PE 0603264S (BA3) Agile Transportation for the 21st Century Theater were transferred to a single PE in the Air Force budget (PE 0604776F) in order to support auditability, increase management efficiency, and reduce administrative actions.			
Accomplishments/Planned Programs Subtotals	7.560	0.000	-

ONGE/ NOTIFIED				
Exhibit R-2A, RDT&E Project Justification: FY 2018 Defense L	Logistics Agency Date: May 2017			
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603713S I Deployment and Distribution Enterprise Technology Project (Number/Name) 10 I Global Access			
C. Other Program Funding Summary (\$ in Millions)				
N/A				
<u>Remarks</u>				
D. Acquisition Strategy				
N/A				
	ude measures identified in the metric project plans. Project completions/success are monitored against ents of work. >80% transition rate of proven technologies to increase force projection and sustainment DoD logistics/supply chain operations.			